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A COMPARATIVE EUROPEAN ENVIRONMENT AGENCY (EEA) DATASET OF SIX EU MEMBER STATES: AUSTRIA, DENMARK, GERMANY, IRELAND, POLAND, AND THE NETHERLANDS

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Description: The indicators of the European Environmental Agency (EEA) contain high-quality data on a wide set of topics and legislation related to the environment, climate and sustainability. The EEA statistical data include (1) Total net greenhouse gas emission trends and projections in Europe; (2) Total greenhouse gas emissions (CO₂ equivalent), net emissions, % change between 2022-23; (3) Greenhouse gas emissions from land use, land use change and forestry in Europe; (4) Marine protected areas in Europe's seas; (5) Designated terrestrial protected areas in Europe; (6) Economic losses from weather- and climate-related extremes in Europe; (7) Green bonds in Europe; (8) Drought impact on ecosystems in Europe; (9) Fossil fuel subsidies in Europe; (10) Industrial pollutant releases to water in Europe; (11) Eco-innovation index in Europe; (12) Water scarcity conditions in Europe; (13) CO₂ emissions performance of new passenger cars in Europe; (14) Nutrients in freshwater in Europe; (15) Oxygen consuming substances in European rivers; (16) Premature deaths due to exposure to fine particulate matter in Europe; (17) Imperviousness and imperviousness change in Europe; (18) Emissions of the main air pollutants in Europe; and (19) Forest connectivity in Europe.

Main primary statistical data sources: The EEA Datahub. The EEA is an agency of the EU. Together with the EEA's Eionet network, the institution provides the knowledge and the data needed to achieve sustainability in Europe.

Other statistical data sources: Energy (Eurostat), Climate (Eurostat), CO₂ emissions (IPCC, European Commission, UNFCCC), Macro-economic (Eurostat), Demographic (Eurostat).

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The dataset was developed in the framework of the OPUS 26 project that is entitled 'Towards Co-creative Just Transition at the Urban Level in Europe' and conducted in the Institute of European Studies, Faculty of Social Sciences at the University of Wrocław (Poland). The OPUS 26 project is financed by the **Polish National Science Council (Narodowe Centrum Nauki – NCN)**. The author wishes to acknowledge the financial assistance of the **OPUS 26 grant (Reg. No: 2023/51/B/HS5/02581)** from the **Polish National Science Council (Narodowe Centrum Nauki – NCN)**.

(1) Total net greenhouse gas emission trends and projections in Europe

The greenhouse gas emissions indicators consider past emissions trends in Europe and indicate the progress of the EU towards its international and internal GHG targets. The GHG emissions data cover anthropogenic emissions from all economic sectors. Member States follow the IPCC Guidelines for National Greenhouse Gas Inventories when estimating emissions and removals of greenhouse gases to ensure transparency, accuracy, comparability, completeness, and consistency in reported data. The reduction of GHG emissions is vital to slow the rate of global warming and mitigate its impact on environment and human health (EEA, 2024a).

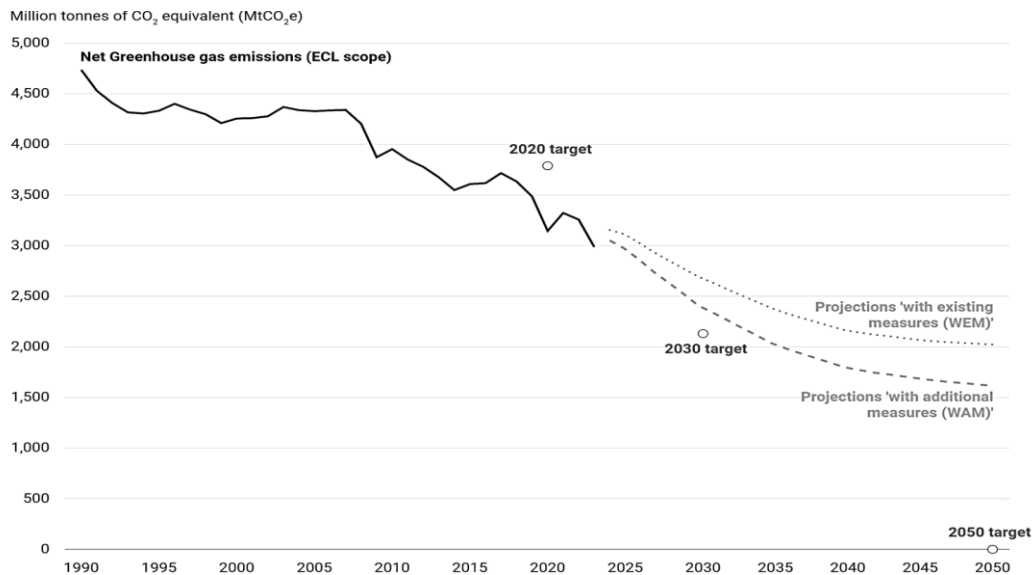


Figure 1. Progress towards achieving climate targets in the EU-27
Source: EEA, 2024a

Net greenhouse gas (GHG) emissions fell by 31% in the EU-27 between 1990 and 2022. The reduction of 8% in 2023 marked significant progress toward climate neutrality for the EU. A 49% reduction in net emissions will be reached by 2030 compared to 1990 levels, missing the 55% reduction target for 2030 (EEA, 2024a).

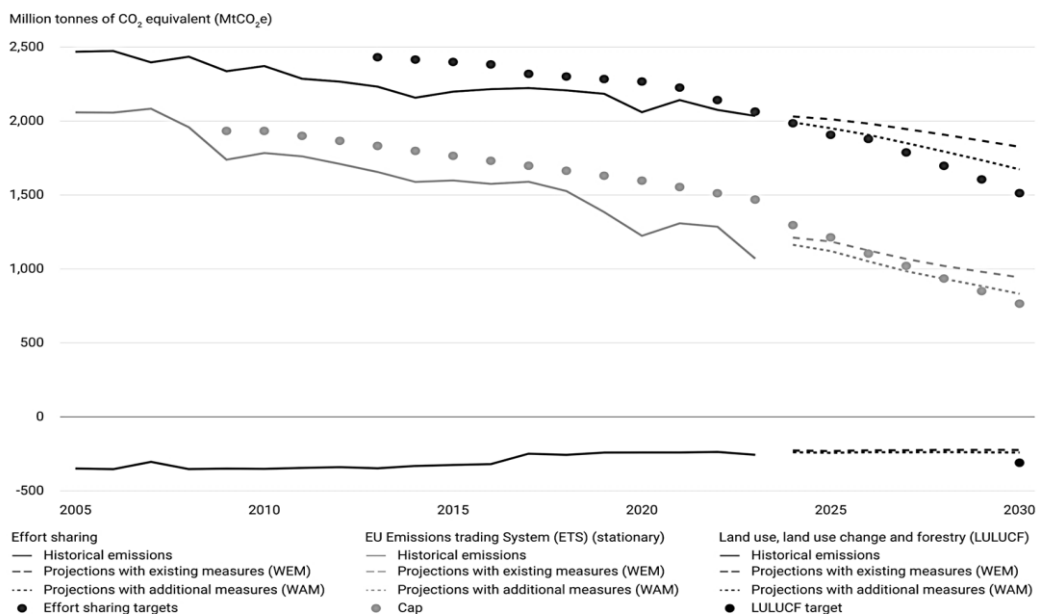


Figure 2. Effort Sharing, ETS, LULUCF trends and projections in the EU-27
Source: EEA, 2024

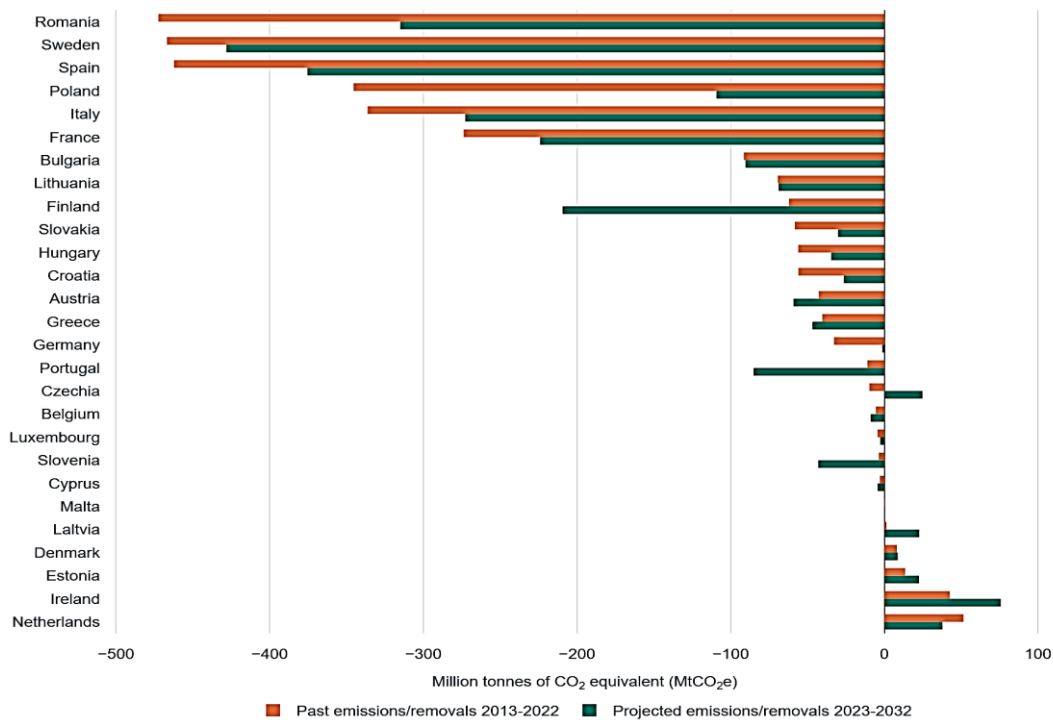


Figure 5. Comparison of cumulative historical and projected LULUCF emissions and removals per Member State
 Source: EEA, 2025b

Among the EU Member States, Romania, Sweden, Spain, Italy, **Poland**, and France were responsible for the largest cumulative net removals from the LULUCF sector in the past 10 years, contributing to approximately 85% of the EU’s LULUCF sink. However, **Austria**, Belgium, Cyprus, Finland, Greece, the **Netherlands**, Portugal and Slovenia project increasing cumulative removals in the next decade. The LULUCF sectors in **Denmark**, Estonia, **Ireland**, Latvia, Malta and the **Netherlands** were a net source of emissions in the past decade and are projected to remain so in the coming decade (EEA, 2025b).

(4) Marine protected areas in Europe’s seas

The EU has made progress in designating new marine protected areas. Marine protected area in coverage more than doubled, to 12.3%, between 2012 and 2022. However, efforts will need to increase significantly to achieve the EU Biodiversity strategy target of protecting at least 30% of EU seas by 2030 (EEA, 2025c).

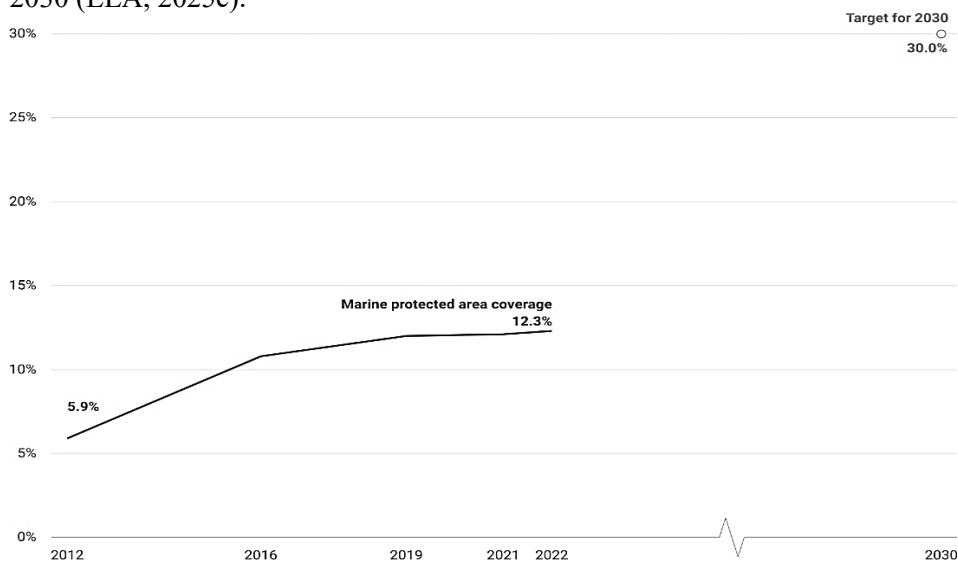


Figure 6. Marine protected area coverage in the EU, 2012-2022
 Source: EEA, 2025c

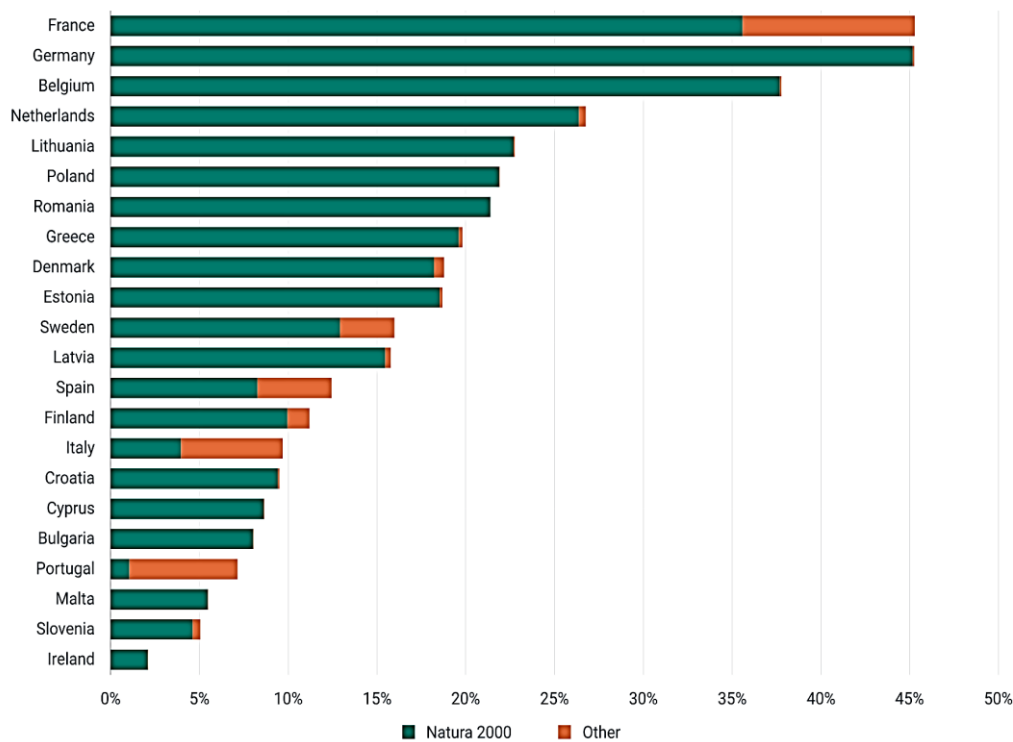


Figure 7. Marine protected area coverage in EU Member States, 2012-2022
 Source: EEA, 2025c

By 2022, several EU Member States had made significant progress in protecting their marine ecosystems through the designation of MPAs. **Germany**, Belgium, and France have surpassed 30% coverage. Other countries such as the **Netherlands**, Lithuania, **Poland**, and Romania have expanded their networks of MPAs beyond 20% (EEA, 2025c).

(5) Designated terrestrial protected areas in Europe

By the end of 2023, protected areas covered 26.4% of EU land, with 18.6% of EU land designated as Natura 2000 sites and 7.8% under other complementary national designations (EEA, 2025d).

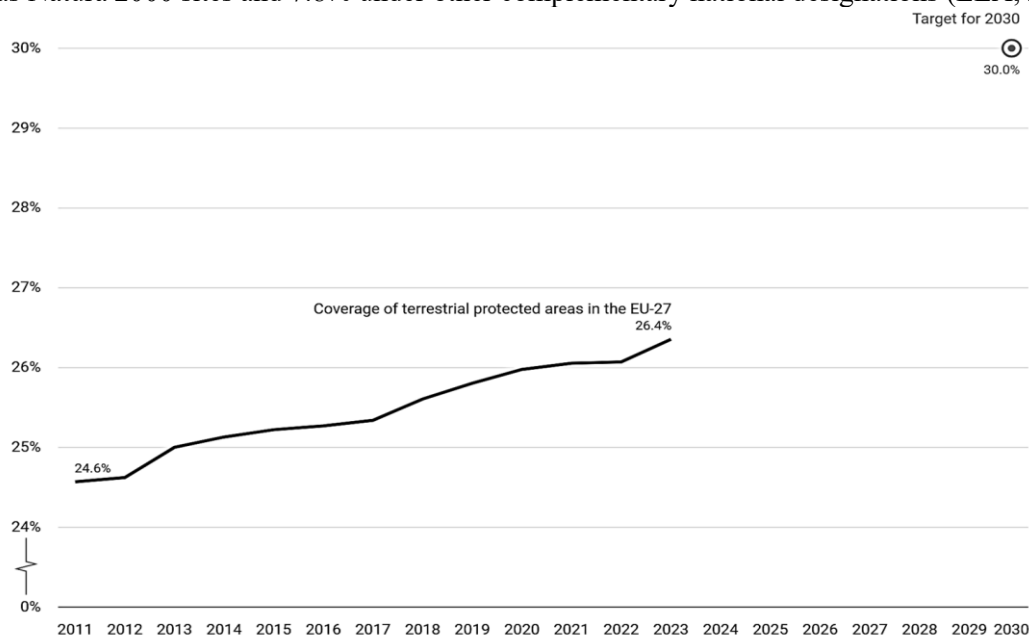


Figure 8. Coverage of protected areas in the EU-27 land area in 2011-2023
 Source: EEA, 2025d

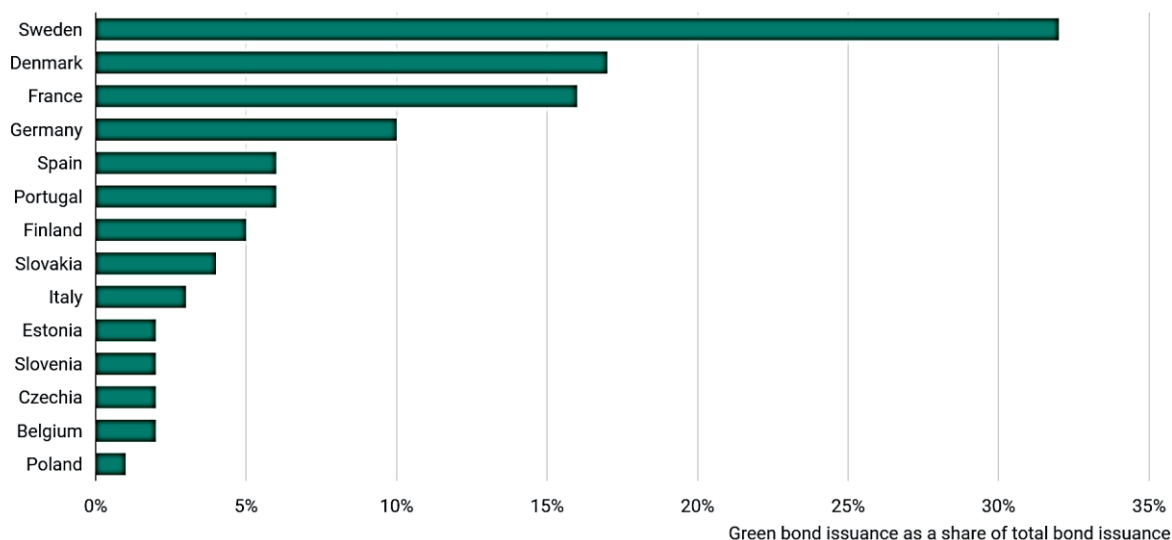


Figure 12. Shares of green bonds issued by corporations and by governments in 2024, by EU Member State
 Source: EEA, 2025f

Green bond issuance as a share of total bond issuance varies across the EU Member States. In 2024, the share of green bonds was highest in Sweden, Denmark and France, where green bonds represented more than 16% of bonds issued. In contrast, thirteen Member States did not issue any green bonds in 2024. The speed at which national green bond markets develop and mature depends on many variables, including policy and regulatory factors, market conditions and financing trends. Further growth in the issuance of green bonds across the EU faces a range of challenges, including fragmented capital markets in Europe, insufficient pipelines of standardized green projects ready for green bond funding, and a lack of domestic investors (EEA, 2025f).

(8) Drought impact on ecosystems in Europe

The EEA’s European Climate Risk Assessment concludes that Europe is the fastest-warming continent in the world. Monitoring impacts of meteorological droughts supports policy measures, targeting greenhouse gas removals and the adaptation of ecosystems to climate change. In 2023 drought impact on European ecosystems eased after the devastating previous year. The EU aggregated drought impact area was 143,513 km², larger than the 2000-2020 long-term average drought impact (EEA, 2025g).

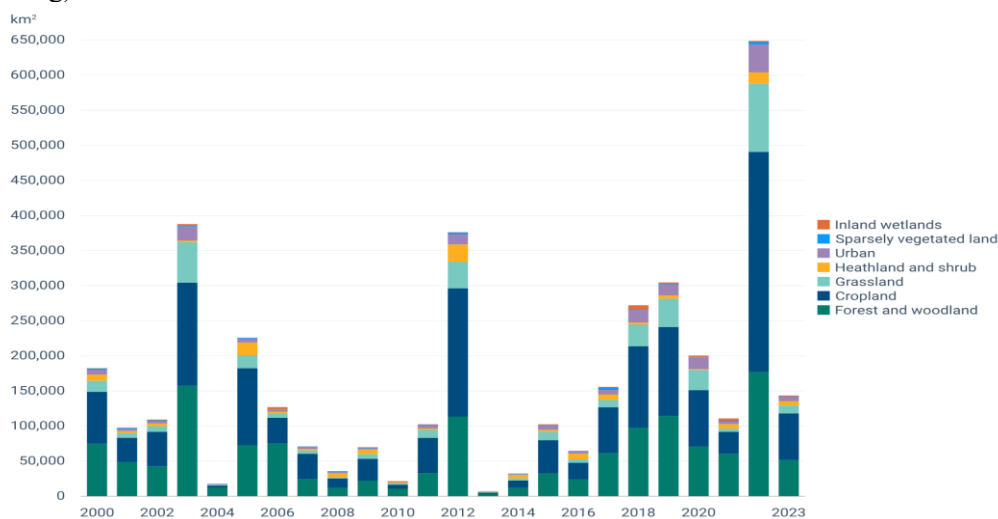


Figure 13. Area of drought impact on vegetation productivity in the EU-27
 Source: EEA, 2025g

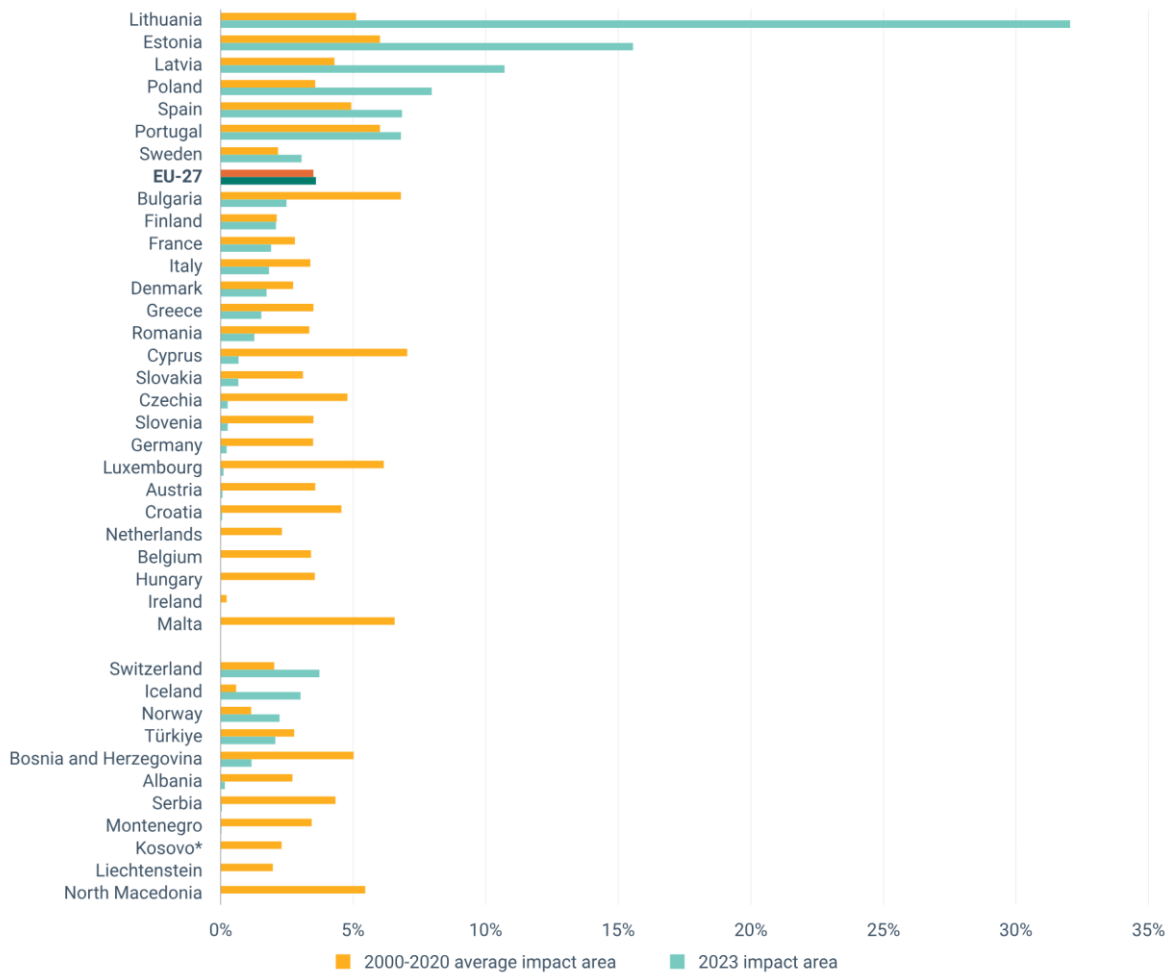


Figure 14. Drought impact area during 2023 in comparison to the 2000-2020 average for the EEA-38 regions
 Source: EEA, 2025g

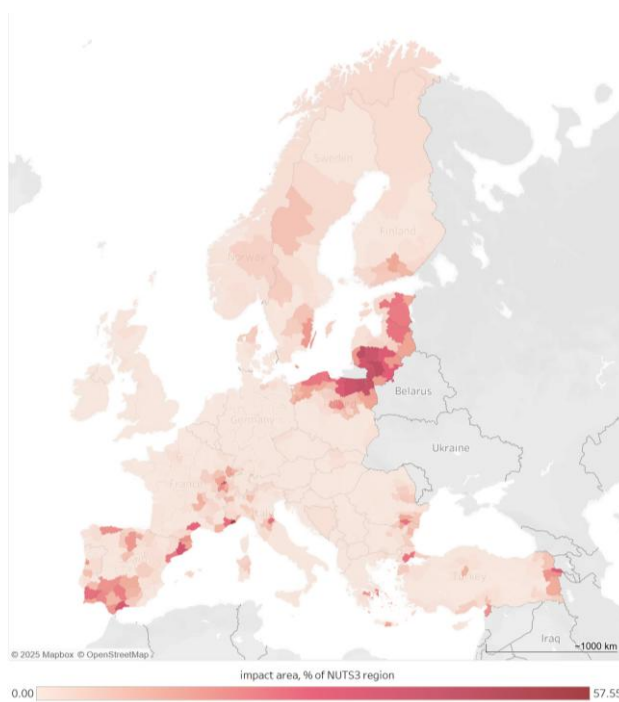


Figure 15. Drought impact area (area of vegetation productivity deficit), in proportion of NUTS3 regions
 Source: EEA, 2024b

The 2023 impact in the Baltic states is much larger than previous drought conditions in the EU region. The most striking result was found in Lithuania, where 32% of the country endured less than average vegetation productivity compared to 5% of the country being impacted during 2000-2020. Drought impacted 16% of Estonia and 10% of Latvia in 2023. Both countries' long-term average impact was less than 10% of the territory. **Northern Poland** and the southern part of Portugal and Spain drought impact was also above the long-term average impacted area, yet remained below 10% of their territories. When considering the absolute impacted areas in 2023, Spain had the largest territory under drought (34,000km²), followed by **Poland** (24,000km²) and Lithuania (20,000km²). From the non-EU countries, Norway and Switzerland experienced drought impact in 2023 that exceeded the long-term average impact, yet in both cases, it was less than 4% of the territory (EEA, 2025g).

(9) Fossil fuel subsidies in Europe

Fossil fuel subsidies remained stable, at between EUR 57-62 billion (2023 prices), from 2015 to 2021. A growth of EUR 4 billion occurred during 2015-2018, caused by increases in transport and industry sector subsidies. Followed by a decrease of EUR 5 billion from 2018-2021, mostly due to reductions in the energy sector and subsidies for coal and lignite. The recent steep rise in fossil fuel subsidies is likely an outlier. In 2023, 43% (EUR 47.7bn) of total fossil fuel subsidies have a planned end-date before 2025, while a further 9% (EUR 10.1bn) have an end-date by 2030. There is no end-date provided for 48% (EUR 53.1bn) of fossil fuel subsidies (EEA, 2025h).

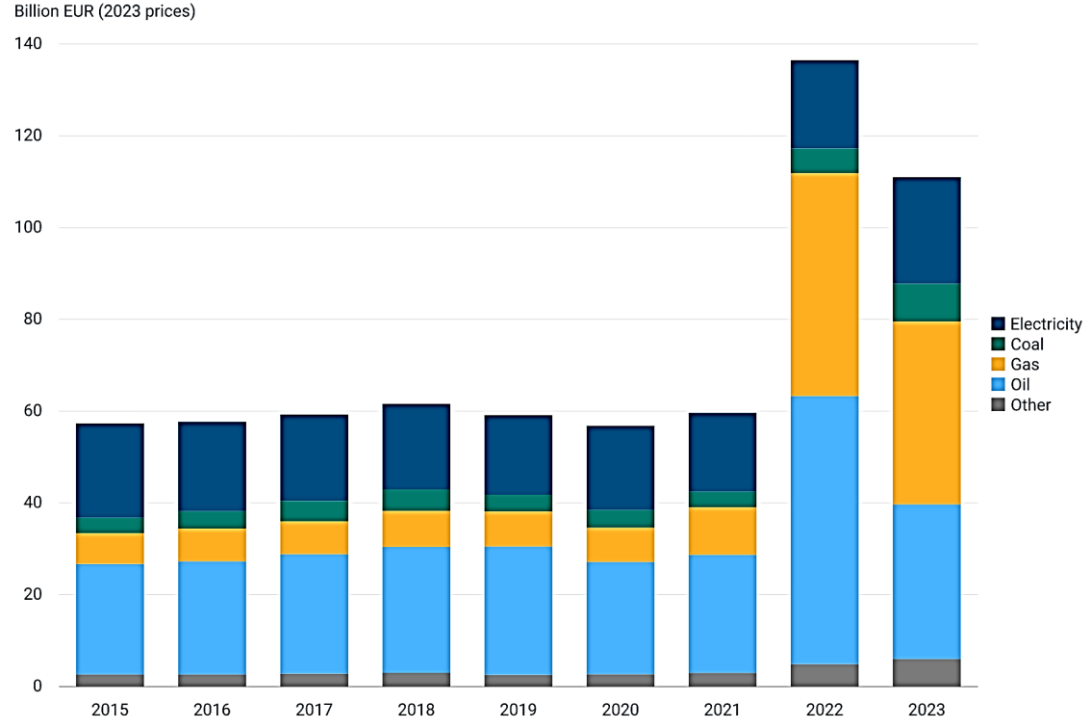


Figure 16. Fossil fuel subsidies by energy vector in EU Member States, 2015 and 2023 (in 2023 prices)
Source: EEA, 2025h

Fossil fuels are non-renewable sources of energy, and their production and use contribute significantly to climate change and pollution. In line with international commitments — such as the G20 Pittsburgh Summit and COP26 Glasgow Climate Pact — and the European Green Deal, the EU's 8th Environment Action Programme (8th EAP) calls for a phase out without delay of subsidies for fossil fuels (such as coal, gas and oil). Fossil fuel subsidies declined in 20 EU Member States from 2022 to 2023, yet remained above levels seen in 2021 for most cases. Nine EU Member States made progress in phasing out fossil fuel subsidies, with a decrease in real terms over this period (EEA, 2025h).

Water is a valuable resource that is under pressure in the EU, with only 38% of surface water bodies in good ecological status and 30% in good chemical status. EU industrial policy strives to reduce pollutant emissions while supporting growth and competitiveness. Legislation, such as the Water Framework Directive (WFD) and the Industrial Emissions Directive (IED), aim to protect Europe’s water bodies from industrial emissions, thus supporting this goal. Industrial emissions to water are reported under the European Pollutant Transfer and Release Register (E-PRTR), recently rebranded as European Industrial Emission Portal by Regulation (EU) 2024/1244 (EEA, 2025i).

Countries	Cd, Hg, Ni, Pb	Total N	TOC	Total P
Austria				
Belgium				
Bulgaria				
Croatia				
Cyprus				
Denmark				
Estonia				
Finland				
France				
Germany				
Greece				
Hungary				
Ireland				
Italy				
Latvia				
Luxembourg				
Netherlands				
Poland				
Portugal				
Romania				
Slovenia				
Spain				
Sweden				

Either 2010 or 2023 not reported
 <-50%
 -50% to -20%
 -20% to 0%
 0% to 20%
 >20%

Figure 19. Water pollutant releases relative changes from 2010 to 2023 for the EU Member States
 Source: EEA, 2025i

Progress across countries in containing these releases is mixed, shown in Figure 19. While this reflects stronger monitoring of releases in certain instances, it confirms the ongoing need to enhance treatment of releases in line with the objectives of EU water policies. Figure 19 indicates generally consistent progress across countries, with some exceptions. Additional efforts are needed to further contribute to improving the ecological and chemical status of European water bodies (EEA, 2025i).

(11) Eco-innovation index in Europe

Eco-innovation, which is crucial for achieving the European Green Deal objective of transitioning to a carbon-neutral and sustainable economy, has increased in the EU. The European Commission’s eco-innovation index increased by 27.5% from 2014 to 2024, mainly driven by improvements in resource efficiency (EEA, 2025j).

Eco-innovation refers to any innovation that reduces impacts on the environment, increases resilience to environmental pressures or uses natural resources more efficiently. The European Commission’s eco-innovation index is a composite indicator based on five dimensions: (1) eco-innovation inputs; (2) eco-innovation activities; (3) eco-innovation outputs; (4) resource efficiency outcomes, and (5) socio-economic outcomes (EEA, 2025j).

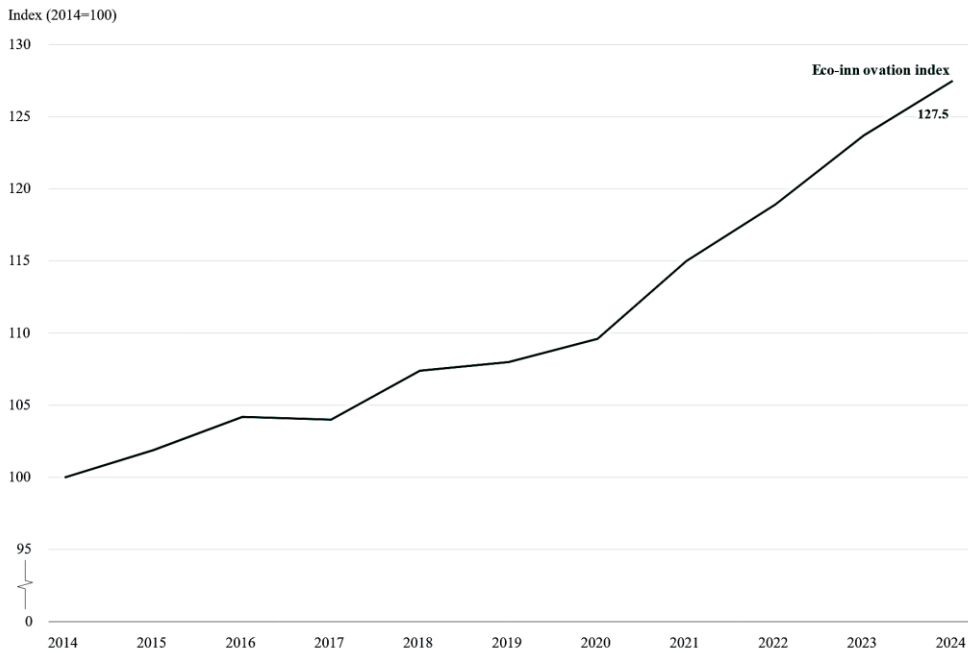


Figure 20. Eco-innovation index, EU-27, 2014-2024 (EU-27=100 in 2014)
 Source: EEA, 2025j

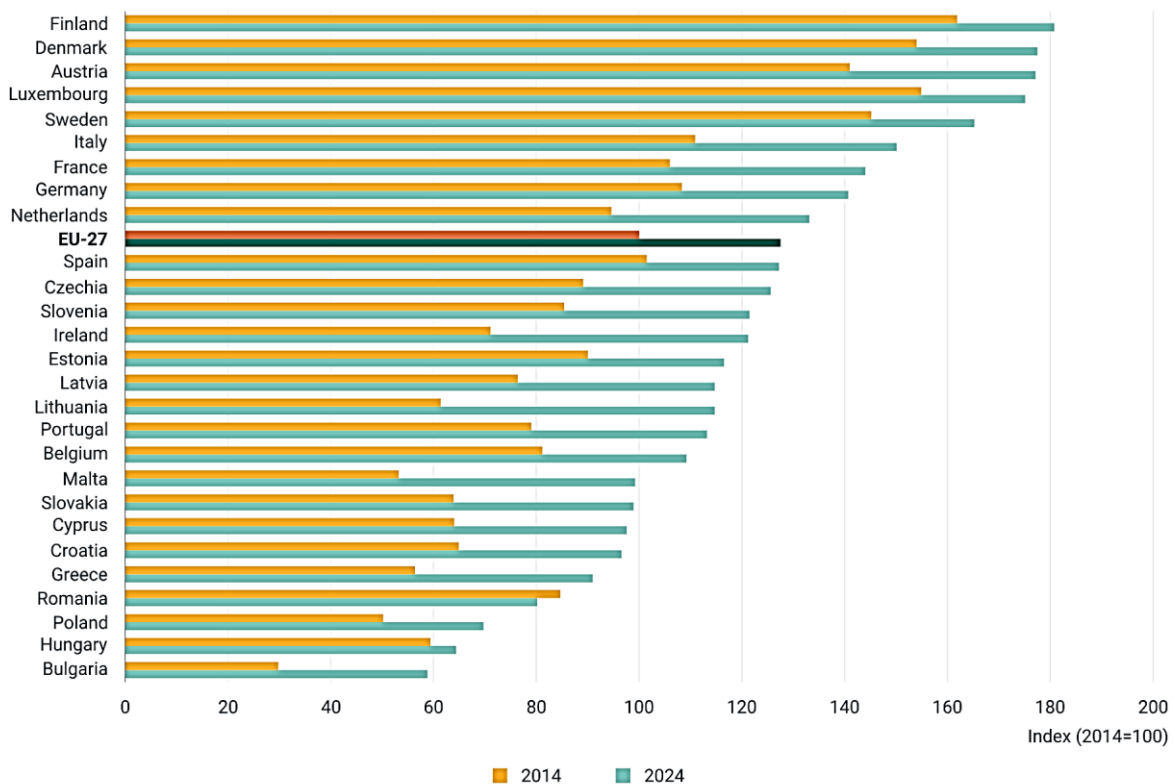


Figure 21. Eco-innovation index by EU Member State, 2014-2024 (relative to EU-27=100 in 2014)
 Source: EEA, 2025j

The Nordic countries, Luxembourg and **Austria** were the best performers of eco-innovation from all individual EU Member States in 2014 and 2024. Apart from Finland, all these countries performed well in resource efficiency outcomes. Finland and **Austria** scored particularly highly on socio-economic outcomes. Index scores improved between 2014 and 2024 for all Member States except Romania. Eighteen Member States achieved increases above the EU-27 average. Lithuania achieved the largest growth, followed by **Ireland** and Malta (EEA, 2025j).

In 2023, 98 out of 101 manufacturers - individually or as members of a pool - met their binding target. In some cases, this was facilitated by the use of eco-innovation savings. Three individual manufacturers (DFSK Motor Co Ltd, General Motors Holdings LLC and Lotus Cars Limited), each responsible for fewer than 1,600 vehicles newly registered in Europe, exceeded their respective emission targets. The average CO2 emissions of all pools are below 125gCO2/km. Pools with the lowest average CO2 emissions were Kia, BMW and Stellantis, reporting between 100 and 103gCO2/km. This is illustrated in Figure 24 (EEA, 2025l).

(14) Nutrients in freshwater in Europe

Nutrient conditions in European surface waters have improved in recent decades. Average concentrations of nitrate and phosphate in rivers and total phosphorus in lakes have decreased. In recent years changes in surface water concentrations have levelled off, except for river phosphate which has gradually increased since 2013 (EEA, 2025m).

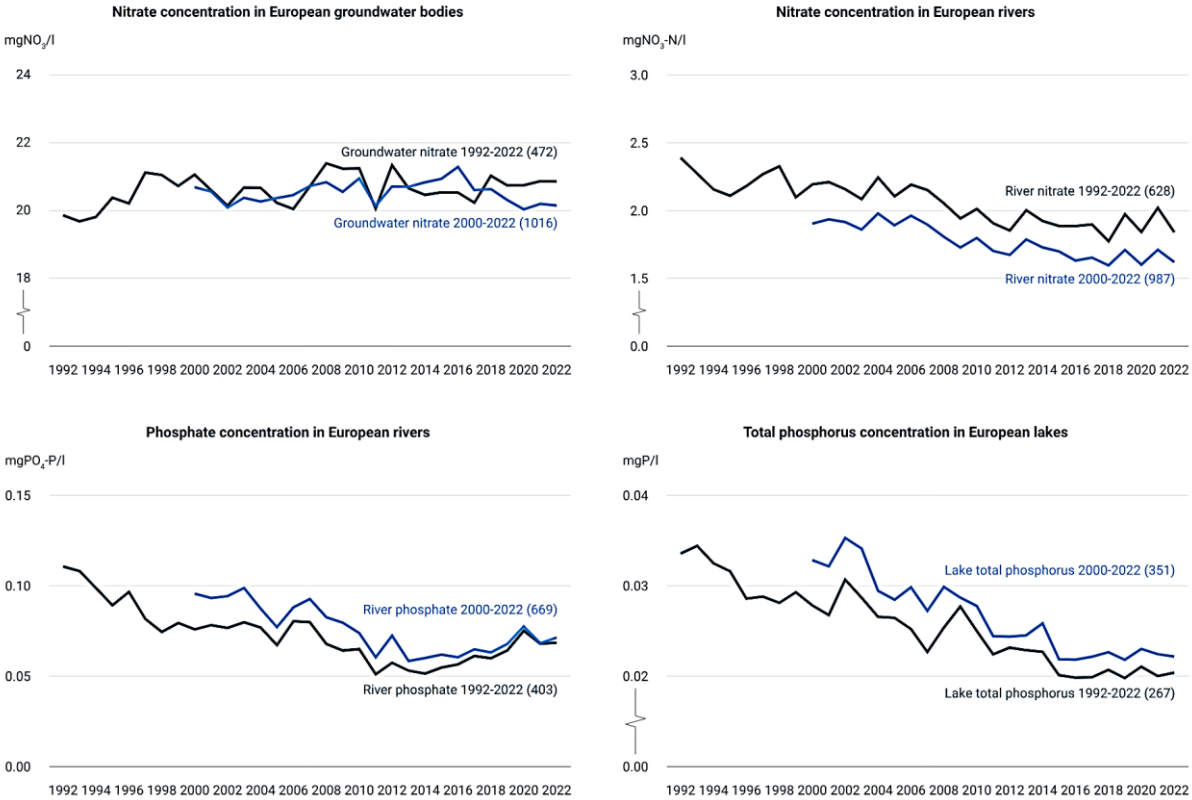


Figure 25. Nutrient trends in European water bodies
Source: EEA, 2025m

The average nitrate concentration in European groundwater fluctuates around the same level and there is no clear trend (Figure 25). The average nitrate concentration in European rivers decreased steadily over the period 1992-2012 and has levelled off since. The average phosphate concentration in European rivers more than halved over the period 1992-2011. From 2011 onwards, the concentration levels off and increases in the last few years, indicating a need for further measures. There has been a gradual reduction in average total phosphorus concentration in European lakes since 1992, although the concentration settles from 2015 (EEA, 2025m).

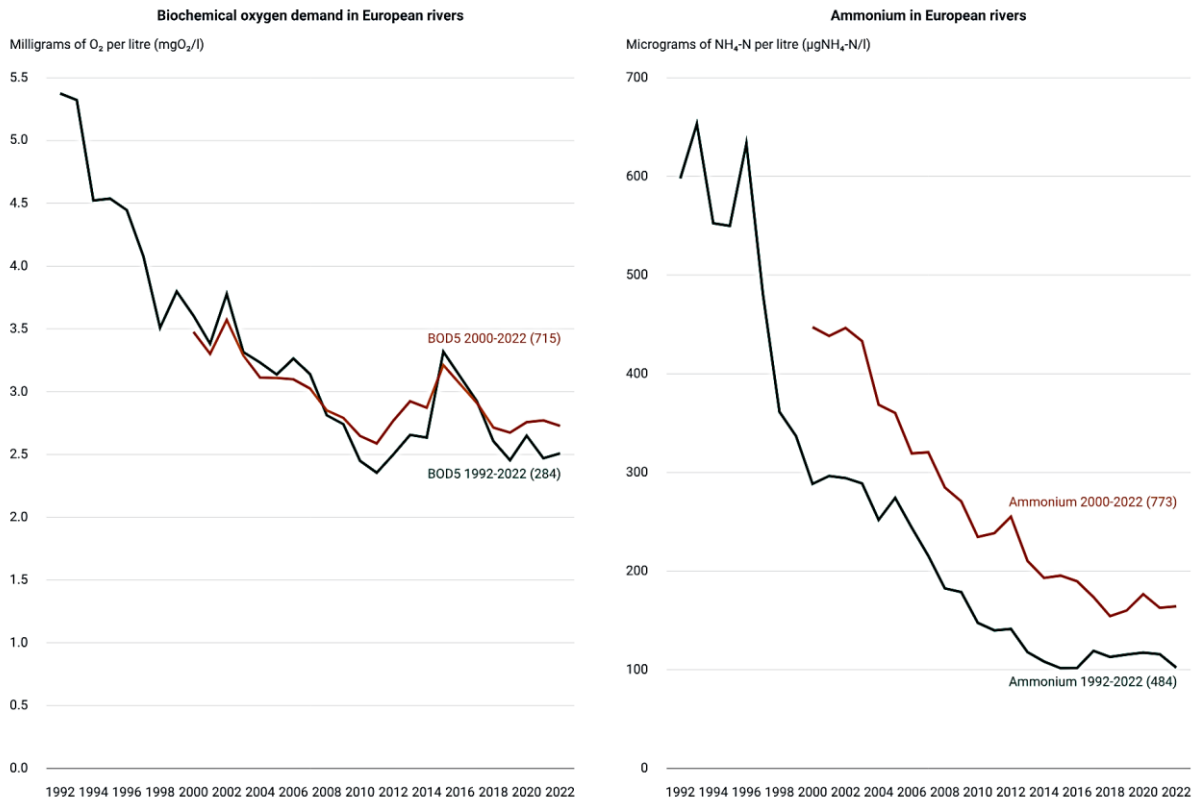


Figure 27. Biochemical oxygen demand and ammonium in European Rivers
 Source: EEA, 2025n

Annual ammonium concentrations decreased by 11.1 µg/l per year (-2.2%) on average over the period 1992-2022 (Figure 27). Significantly decreasing concentrations were observed at 71% of the sites, with an additional 5% of the sites showing a marginal decrease. No change has been observed at 22% of the river monitoring sites. A significant increase was evident at 2% of the sites. The shorter, more representative time series of 2000–2022 shows higher concentrations, but a similar trend of overall decrease (EEA, 2025n).

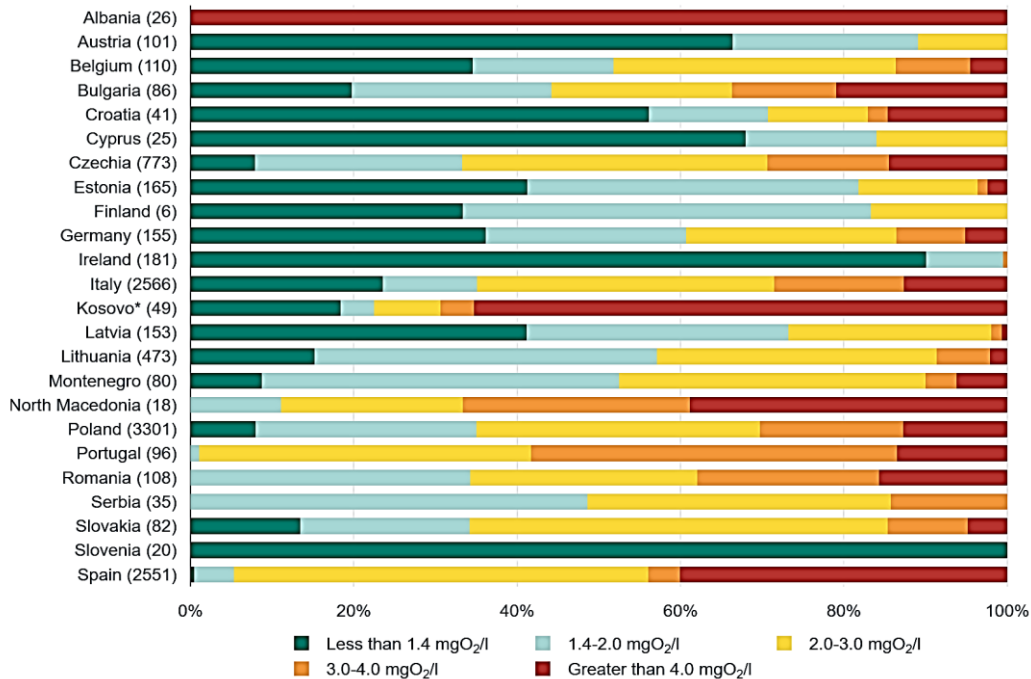


Figure 28. Status of biochemical oxygen demand in rivers in European countries
 Source: EEA, 2025n

Countries with the highest share of river sites in the best quality class (i.e. less than 1.4 mg/l) are Slovenia (100%), **Ireland** (90%), Cyprus (68%), and **Austria** (66%). The share of monitored river sites with BOD equal to or higher than 3mg/l is particularly high (50% or more) in Albania, Kosovo under UNSCR 1244/99, North Macedonia, and Portugal (EEA, 2025n).

(16) Premature deaths due to exposure to fine particulate matter in Europe

The European Commission zero pollution action plan sets a target to reduce the health impacts of air pollution by at least 55% by 2030, compared to 2005. Between 2005 and 2022, the number of premature deaths in the EU attributable to PM2.5 fell by 45%. Despite ongoing improvement, 239,000 premature deaths attributable to PM2.5 occurred in the EU during 2022 (EEA, 2025o).

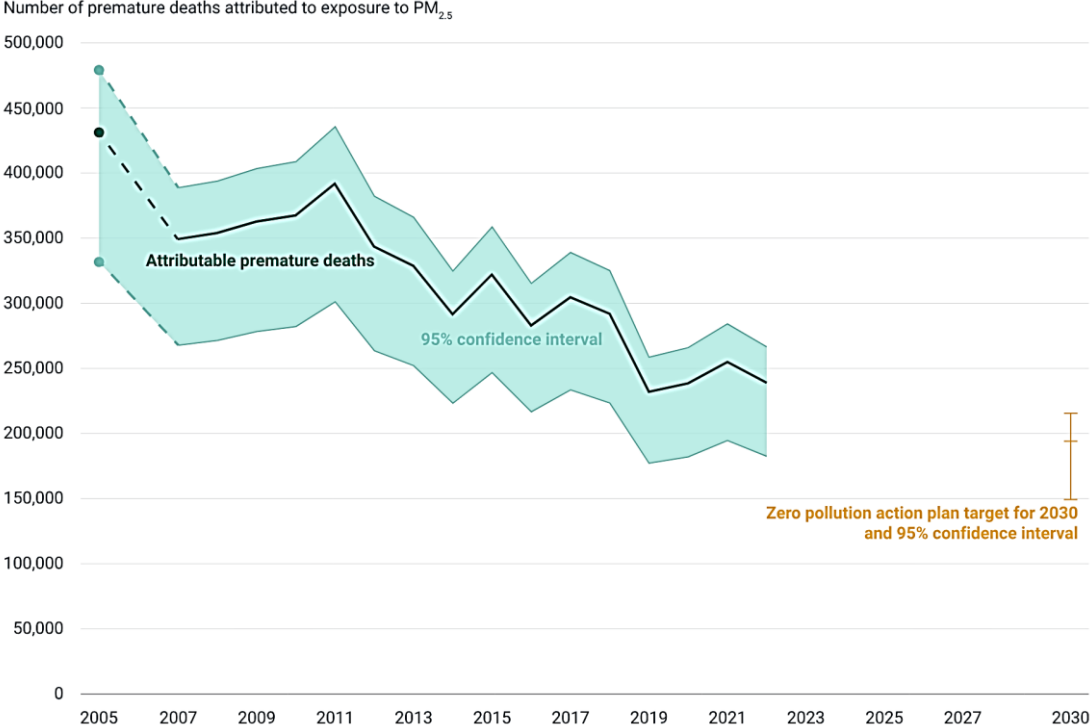


Figure 29. Premature deaths attributable to exposure to fine particulate matter (PM_{2.5}), EU
 Source: EEA, 2025o

Between 2005 and 2022, premature deaths attributable to PM2.5 exposure above the WHO air quality guideline level of 5µg/m³ fell by 45% in the EU Member States (Figure 29). The decrease was caused by a decline in concentrations of PM2.5, hence a decrease in the exposure of the population to this air pollutant. Yet, more than 70% of the EU population live in urban areas and in 2022, 96% of the urban population was exposed to PM2.5 concentrations above the WHO guideline level. If the past 17-year trend should continue, the decline in premature mortality attributable to PM2.5 would reach 63% by 2030 (from 2005 levels) and the 55% zero pollution reduction target would be exceeded. The 2022 Third Clean Air Outlook also estimates that the target may be exceeded if the foreseen clean air measures, together with climate and energy policies of the ‘Fit for 55’ package are implemented. It envisions a similar reduction of 66% by 2030 if the conditions are met (EEA, 2025o).

The ZPAP target is set at EU level and there are many differences in the change of mortality due to exposure to PM2.5 at country level during 2005 to 2022. Mortality per capita has decreased in all EU Member States, by more than half in 21 countries (Figure 30).

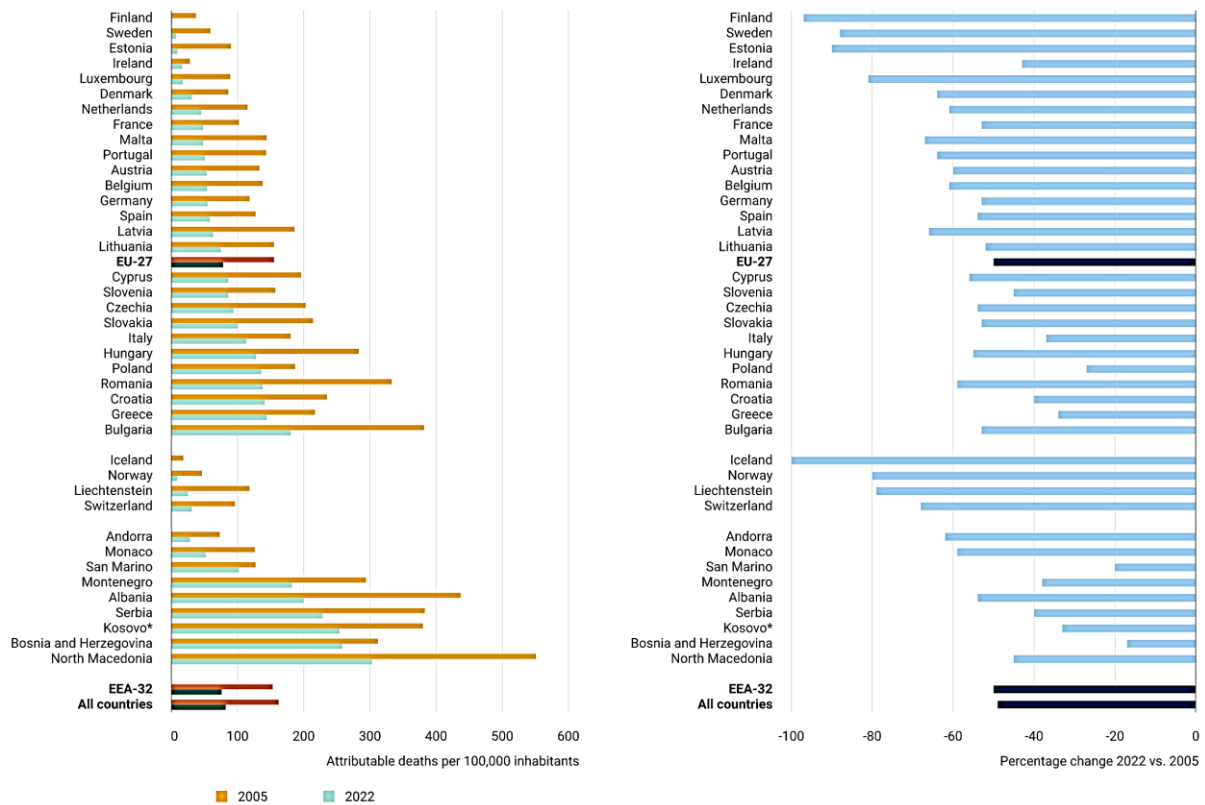


Figure 30. Premature deaths normalized by population attributable to exposure to PM_{2.5} at country level in 2005 and 2022, and percentage of change
 Source: EEA, 2025o

The highest relative number of attributable deaths in 2022 within the EU were in the regions of Sofia and Vidin (Bulgaria), and **Miasto Kraków (Poland)**. In contrast, several Finnish and Swedish regions and one **Austrian** region had very low attributable deaths (i.e. below one per 100,000 inhabitants aged above 30 years). The highest number of relative attributable deaths for European countries outside the EU in 2022 were in the regions of Skopski, Vardarski and Pelagoniski (North Macedonia) and Nišavska oblast (Serbia). The lowest numbers were seen in all Icelandic and four Norwegian regions with less than one attributable death per 100,000 inhabitants aged above 30 years (EEA, 2025o).

(17) Imperviousness and imperviousness change in Europe

Imperviousness negatively affects biodiversity, carbon storage and sequestration, soil hydrological properties, ecosystem services and nature conservation. In 2018, the sealed area in the EU Member States was 110,702km² (2.7%). The increase in this area was 3,606km² (3.4%) between 2006 and 2018. The largest sealing increase of 1,156km² during 2009-2012 fell to half during 2012-2015, yet picked up again from 2015 to 2018 (796 km²). Sealing in cropland was also substantial with 1,383km² agricultural area sealed from 2006 till 2018 (EEA, 2025p).

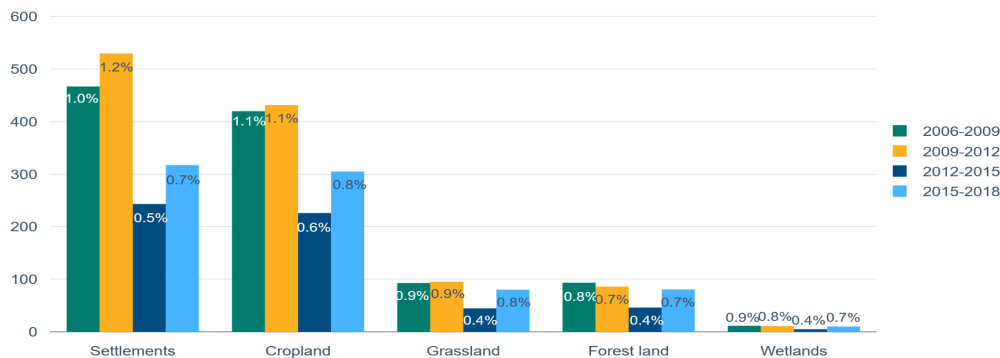
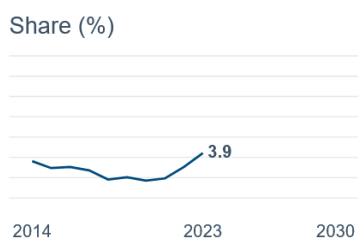
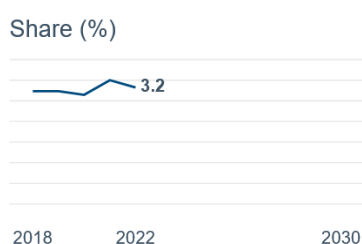


Figure 31. Imperviousness increase by land use category in EU-27
 Source: EEA, 2025p

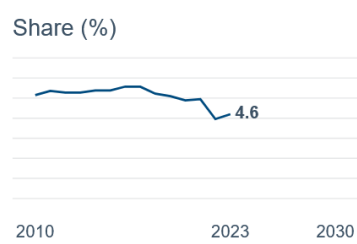
Energy poverty



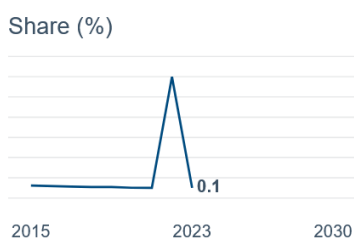
Environmental protection expenditure



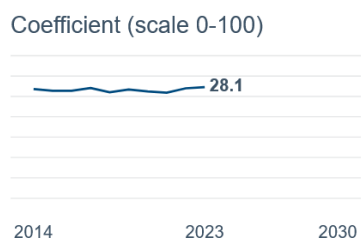
Environmental taxes



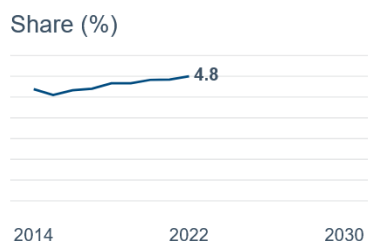
Fossil fuel subsidies



Gini coefficient of equivalised disposable income



Gross value added of the environmental goods and services sector



Public expenditure on tertiary education

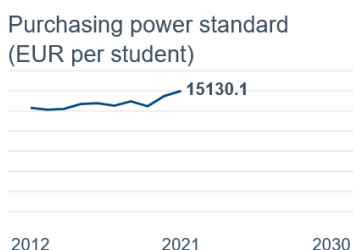
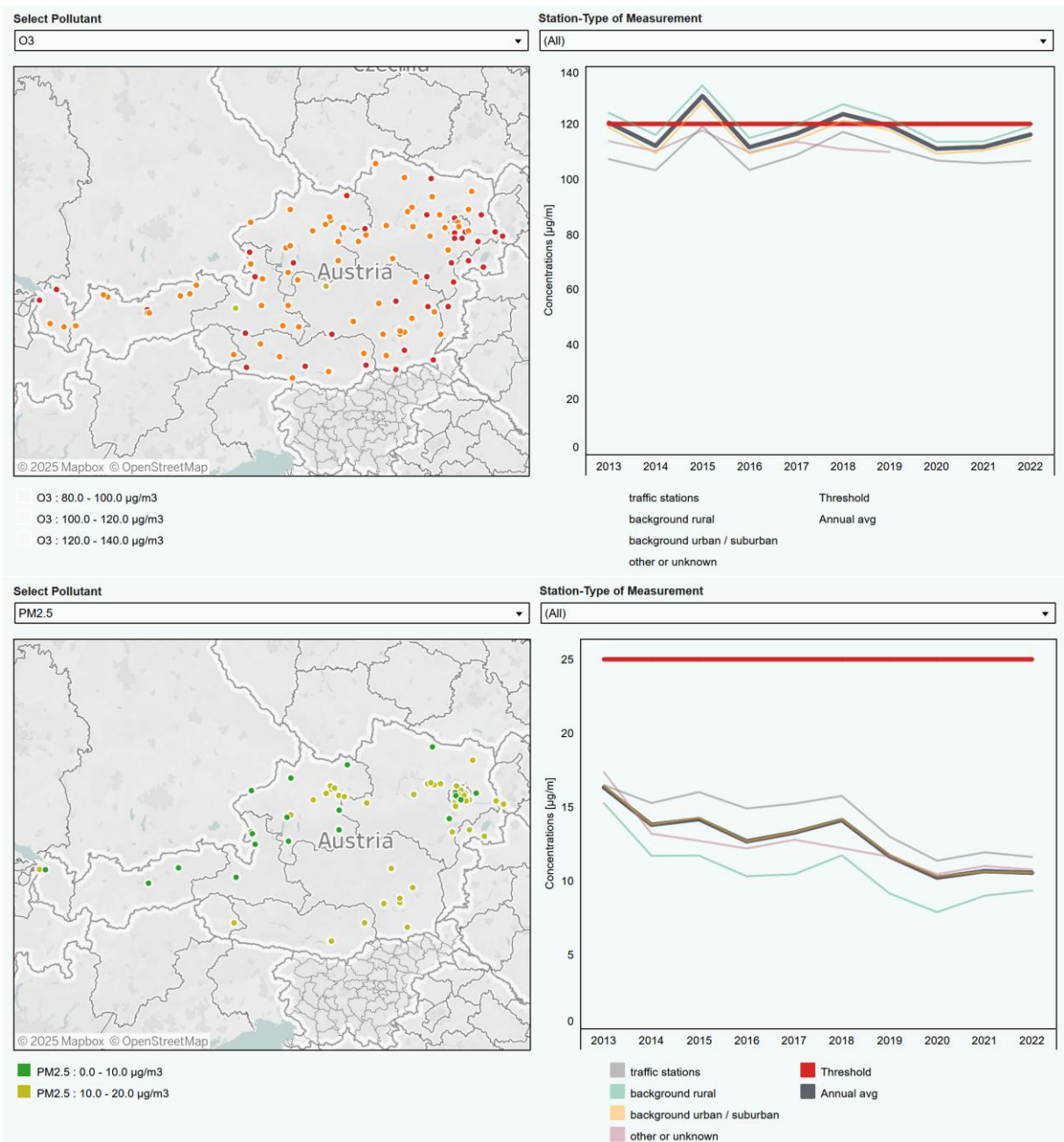
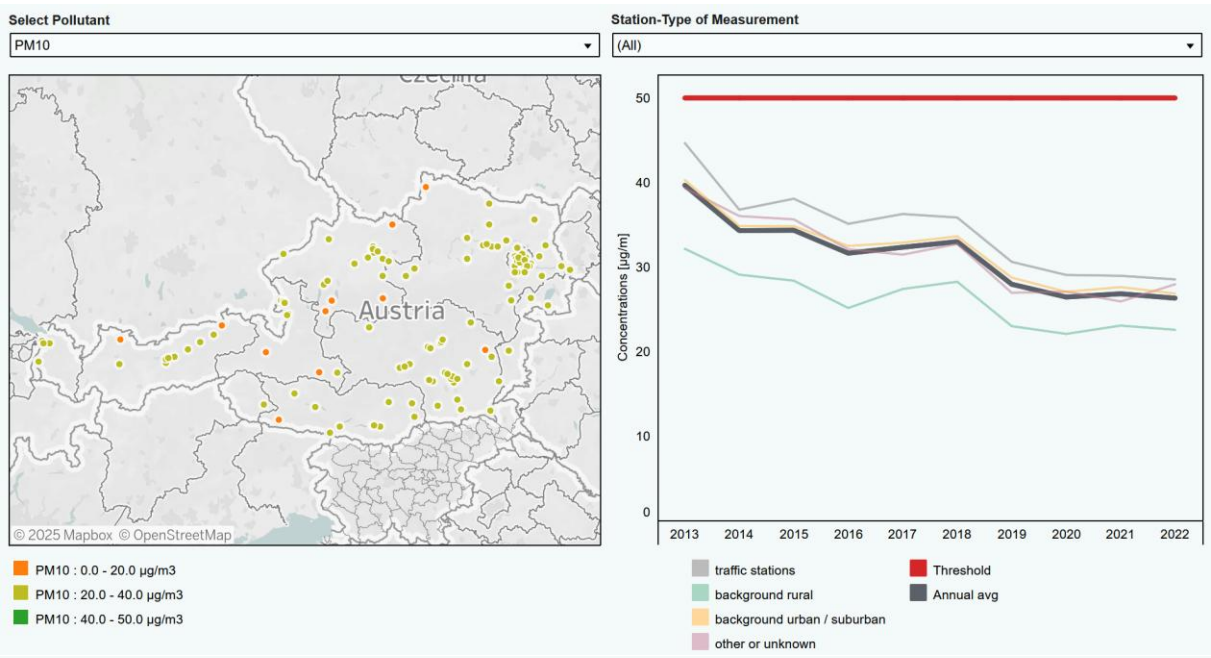


Figure 37. Austria: Socio-economic change trends and assessments
Source: EEA, 2025t

Climate and environmental protection is becoming increasingly important for the Austrian economy and public budgets. This is reflected in the growing expenditure on environmental protection, which rose to 3.6% of gross domestic product (GDP) in 2021, 1.6 times higher than the EU-27 average for the same year. Research conducted by the Technical University of Vienna and Environmental Agency Austria highlights the crucial role of public capital stock in driving Austria's progress towards decarbonization. They estimate that the additional investments required to decarbonize the existing public capital stock will amount to EUR 36 billion cumulatively by 2030, equivalent to 1.2% of GDP annually. Investments and decisions focused on climate protection boost GDP and employment, while advancing climate neutrality (EEA, 2025t).



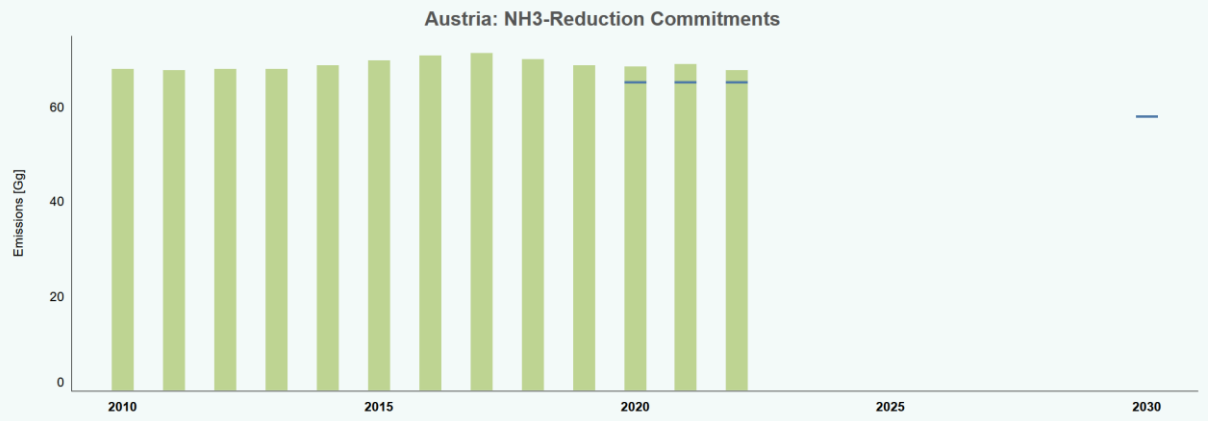
Source: European Commission, 2025a.



Air emissions

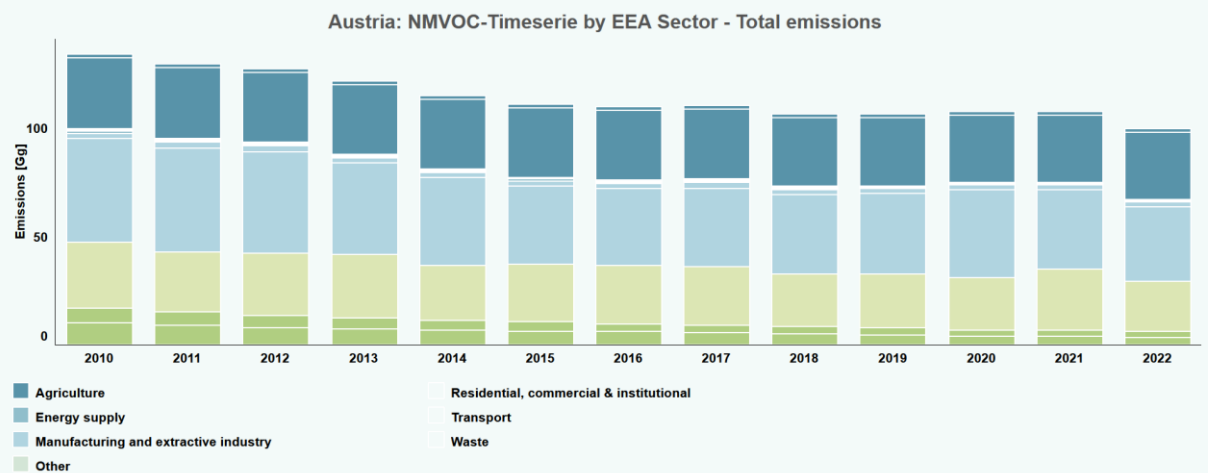
Select Pollutant: NH3

Emission reduction commitments for 2020 and 2030 are shown with the emission trends and distance to reduction commitments.



Source: European Commission, 2025a.

Select EEA Sector(s)
 (All)

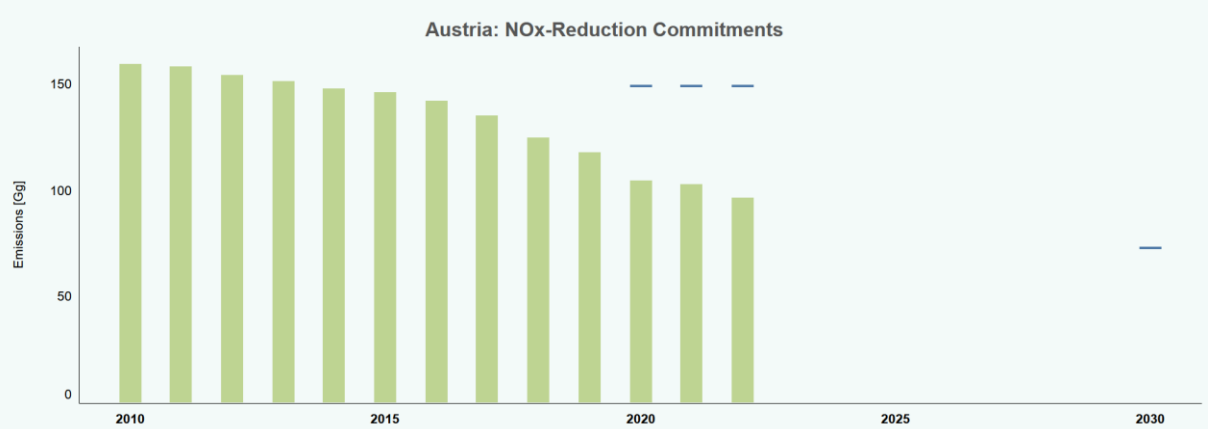


Meeting Reduction Commitments

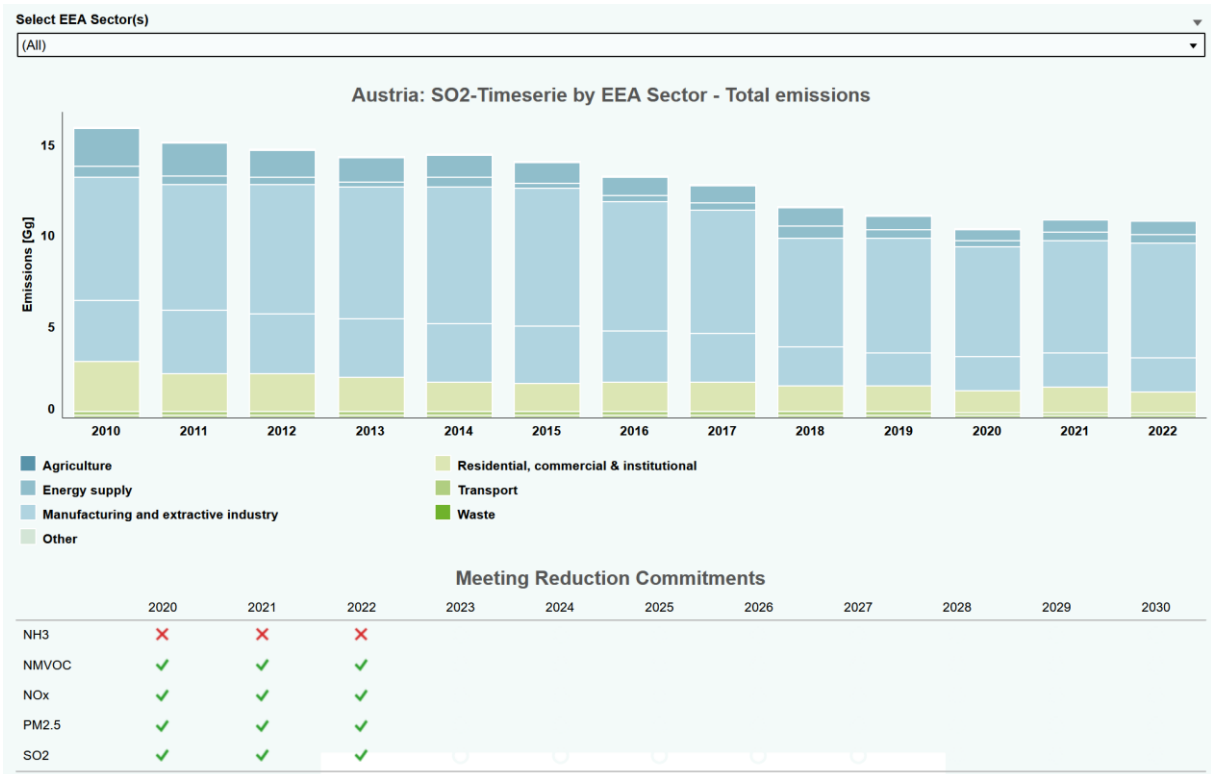
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NH3	✗	✗	✗								
NMVOC	✓	✓	✓								
NOx	✓	✓	✓								
PM2.5	✓	✓	✓								
SO2	✓	✓	✓								

Select Pollutant
 NOx

Emission reduction commitments for 2020 and 2030 are shown with the emission trends and distance to reduction commitments.

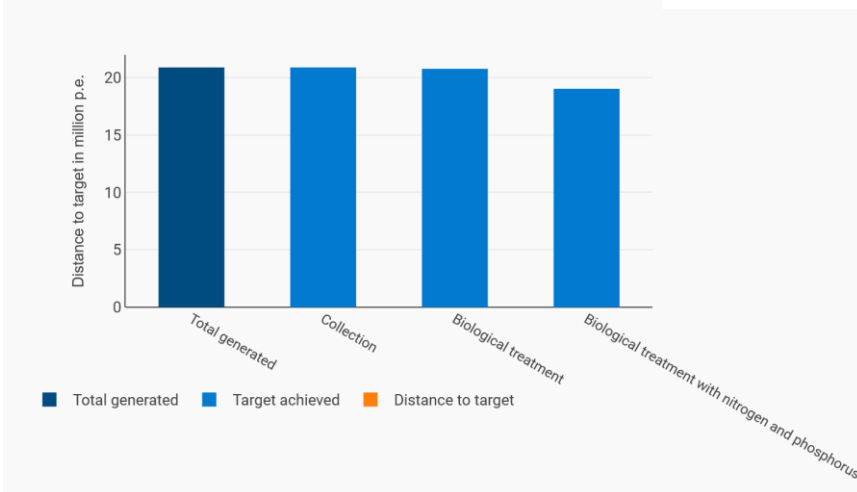


Source: European Commission, 2025a.



Amount of urban waste water which still needs to be collected or treated according to the requirements of the UWWTD

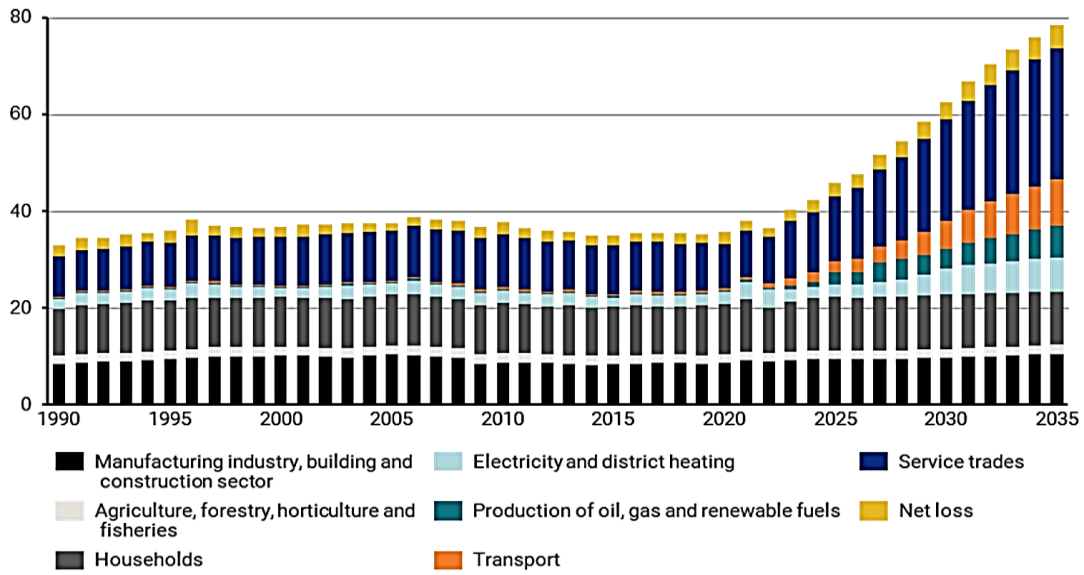
Distance to target in million p.e.



Source: European Commission, 2025a.

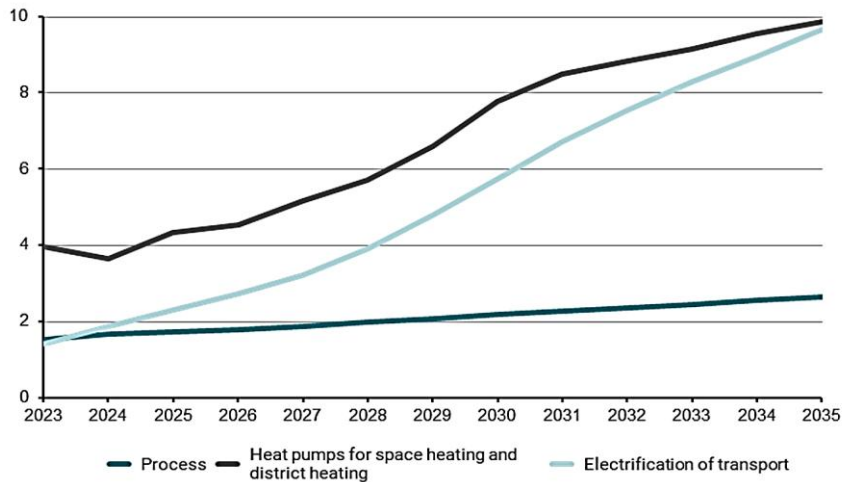
Austria has met the targets for: (1) Collection of urban waste water; (2) Biological treatment of urban waste water; and (3) Biological treatment of urban waste water with nitrogen and phosphorus removal. Overall, 100% of the urban waste water in Austria is treated according to the requirements of the UWWTD. This is above the EU average of 75.9% (European Commission, 2025a).

Total electricity consumption by sector 1990-2035, TWh



Source: Danish Ministry of Climate, Energy and Utilities, 2025

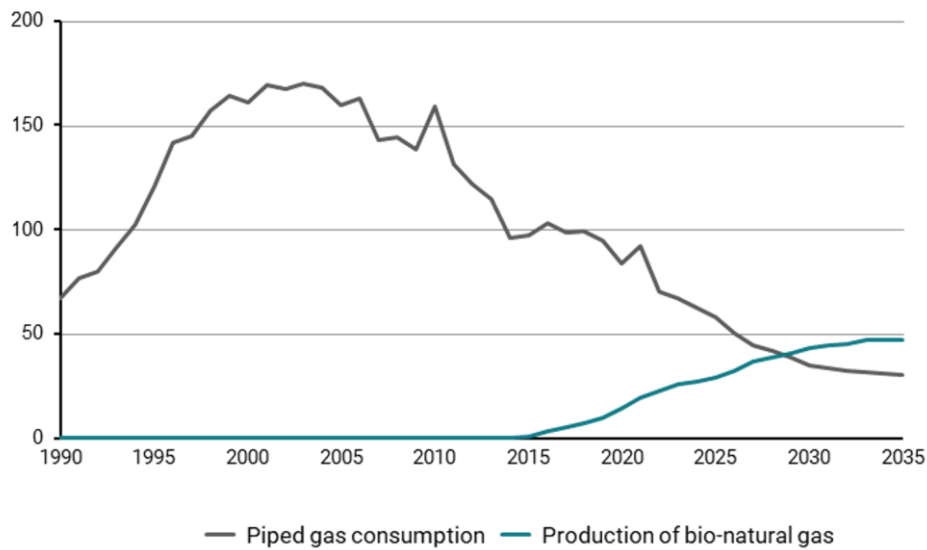
Estimated electricity consumption for space heating, process energy and transport, TWh



Note: Electricity consumption in transport covers electrification of road transport, shipping, rail transport etc.

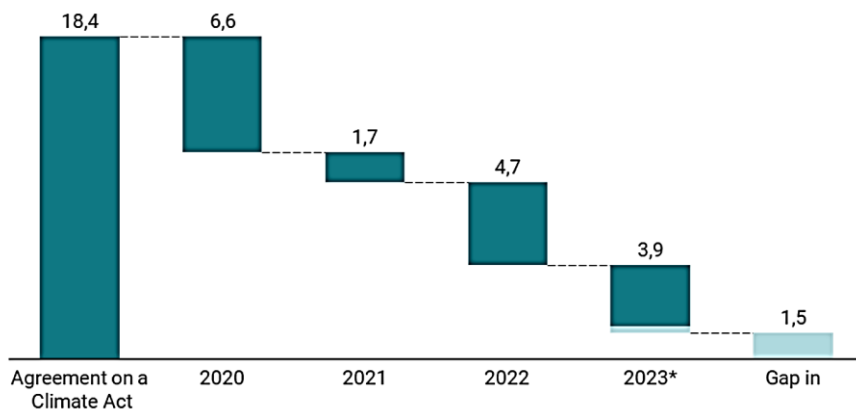
Source: Danish Ministry of Climate, Energy and Utilities, 2025.

Piped gas consumption and production of bio-natural gas 1990-2035, PJ



Source: Danish Ministry of Climate, Energy and Utilities, 2025.

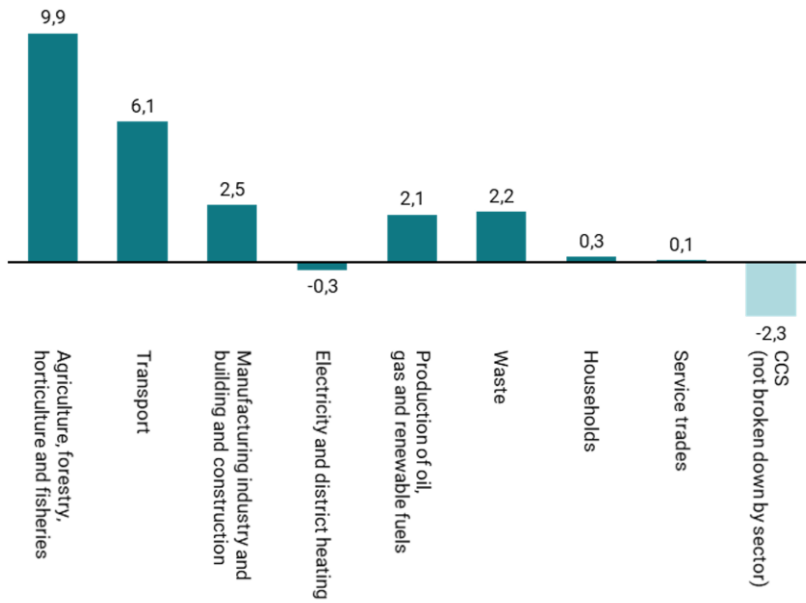
Development in the reduction gap in 2030 since the Agreement on a Climate Act in 2019, million tonnes CO₂e



Note: The year indicates the year of publication of the relevant climate projection. For example, "2022" shows the change in the reduction gap estimate between CSO21 and CSO22. The reduction gap estimate in the agreement on the climate act is based on the 2019 Basic projection (CSO19) adjusted for the agreement on the 2020 Finance Act. The gap change for each CSO contains the effects of policies up to 31 December of the previous year. *Change from CSO23 to CSO24 includes the partially estimated effect of the diesel and road tax from the Agreement on the partial implementation of the Green Fund and the partially estimated effect of the transition aid from the Agreement on the implementation of the transition aid from the Green tax reform for industry etc.

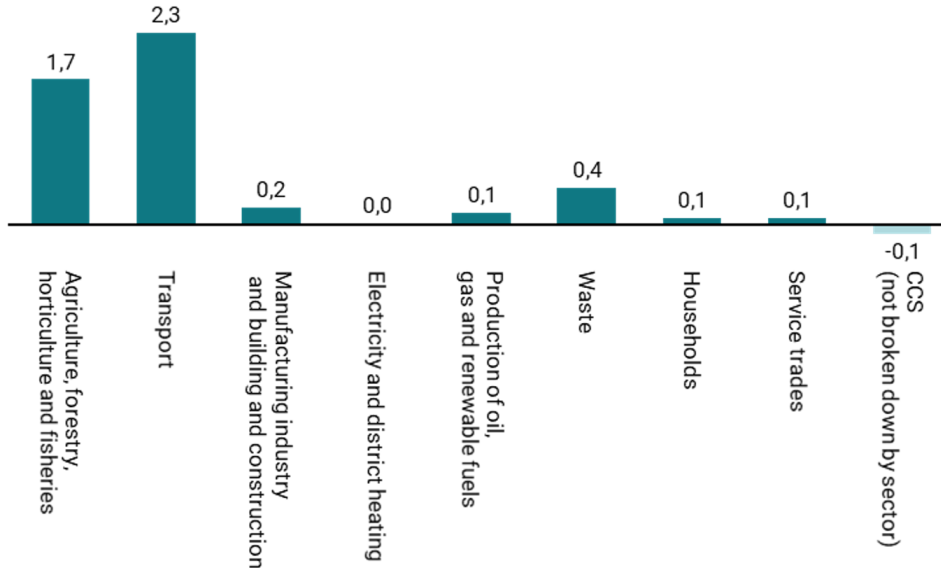
Source: Danish Ministry of Climate, Energy and Utilities.

Estimated emissions in 2035 by subsector, million tonnes CO₂e



Note: The figure does not include the partially estimated effect of diesel and road tax from the Agreement on the partial implementation of the Green Fund and the partially estimated effect of the transition aid from the Agreement on the implementation of the transition aid from the Green tax reform for industry etc.
Source: Danish Ministry of Climate, Energy and Utilities, 2025.

Estimated emission reductions from 2030 to 2035, million tonnes CO₂e



Note: Negative numbers indicate increased emissions. The figure does not include the partially estimated effect of diesel and road tax from the Agreement on the partial implementation of the Green Fund and the partially estimated effect of the transition aid from the Agreement on the implementation of the transition aid from the Green tax reform for industry etc.
Source: Danish Ministry of Climate, Energy and Utilities, 2025.

 **Health impacts**

Country	Population weighted annual mean (PM2.5)	Attributable deaths (PM2.5)	Population weighted annual mean (NO2)	Attributable deaths (NO2)	Population weighted annual mean PEAK (O3)	Attributable deaths (O3)
Germany	9.2	32,630	14.3	9,440	94	15,190
EU27	11.4	239,000	14.1	48,000	92	70,000
Total	11.5	269,000	15.7	66,000	91	81,000

 **Air quality**

The map on the left is drawn from annual statistics calculated by the EEA from time series reported by countries and present the air quality monitoring stations in country and the concentrations of pollutant monitoring at each station. Year of statistics: 2022

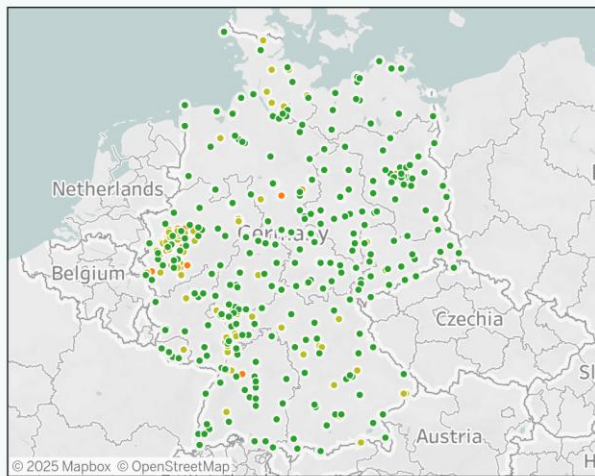
The graph on the right presents the trend in annual mean concentration of pollutant by station type and the mean across all stations against the EU standard ($\mu\text{g}/\text{m}^3$) for the years 2013 to 2022. For BaP concentrations are in ng/m^3

Select Pollutant

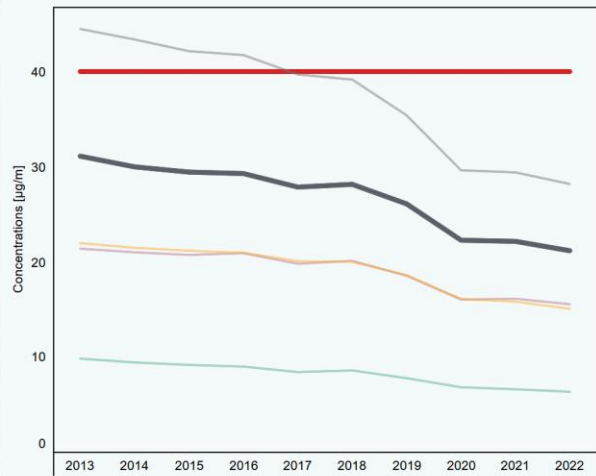
NO2

Station-Type of Measurement

(All)



- NO2 : 0.0 - 20.0 $\mu\text{g}/\text{m}^3$
- NO2 : 20.0 - 30.0 $\mu\text{g}/\text{m}^3$
- NO2 : 30.0 - 40.0 $\mu\text{g}/\text{m}^3$
- NO2 : 40.0 - 50.0 $\mu\text{g}/\text{m}^3$

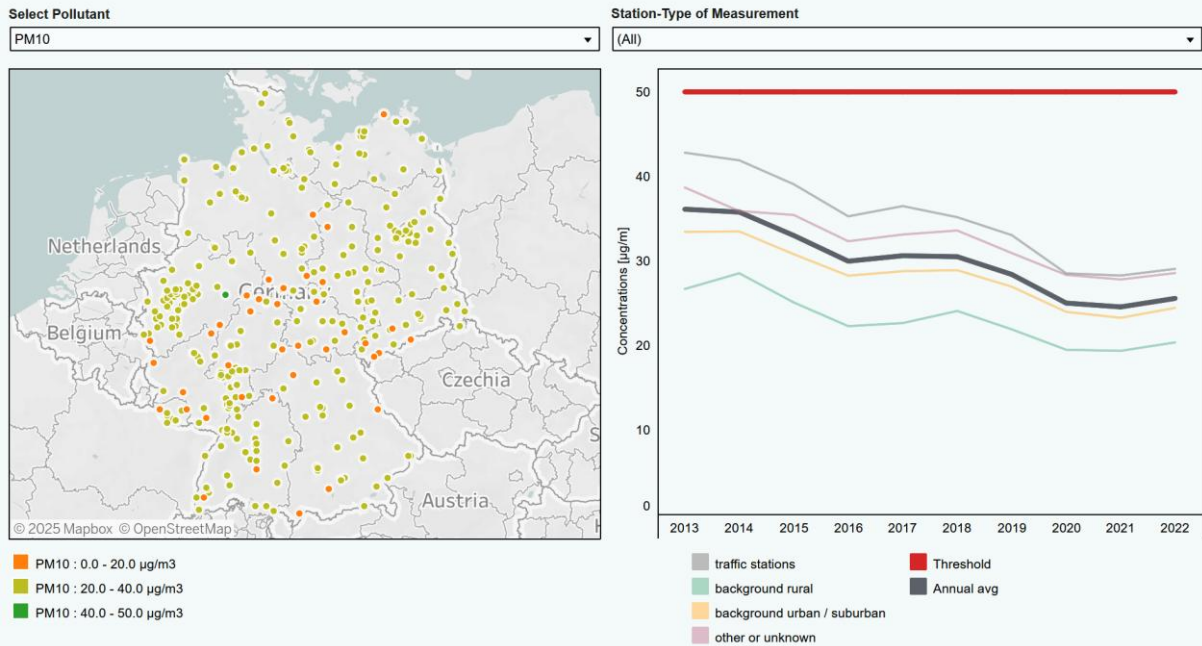


Source: European Commission, 2025c

Air quality

The map on the left is drawn from annual statistics calculated by the EEA from time series reported by countries and present the air quality monitoring stations in country and the concentrations of pollutant monitoring at each station. Year of statistics: 2022

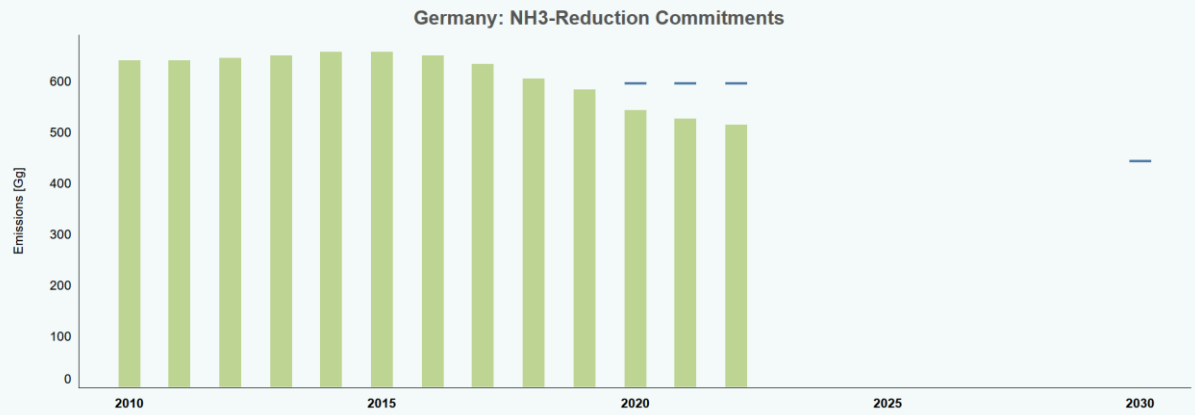
The graph on the right presents the trend in annual mean concentration of pollutant by station type and the mean across all stations against the EU standard ($\mu\text{g}/\text{m}^3$ for the years 2013 to 2022. For BaP concentrations are in ng/m^3)



Air emissions

Select Pollutant: **NH3**

Emission reduction commitments for 2020 and 2030 are shown with the emission trends and distance to reduction commitments.

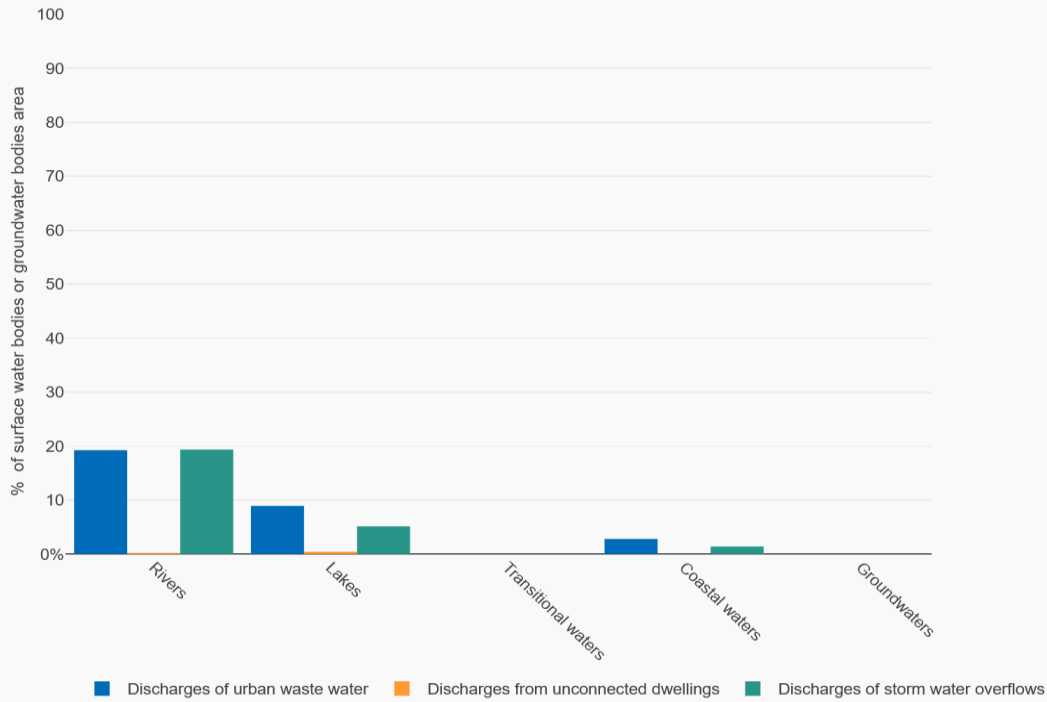


Source: European Commission, 2025c

Percentage of different water body types having less than good water quality, and being affected significantly by discharges of urban waste water, discharges from unconnected dwellings and storm water overflows in the latest RBMPs

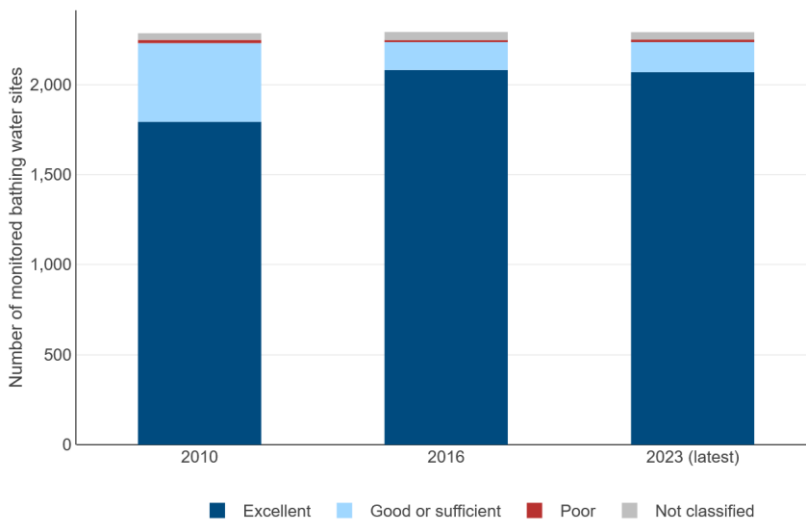
Percentage of surface water bodies or groundwater bodies area

Hover over the bars to see the number of surface water bodies and areas (Km²) of groundwaters affected by urban waste water.



Progress in the number of monitored bathing water sites having excellent water quality in recent years

Number of monitored bathing water sites

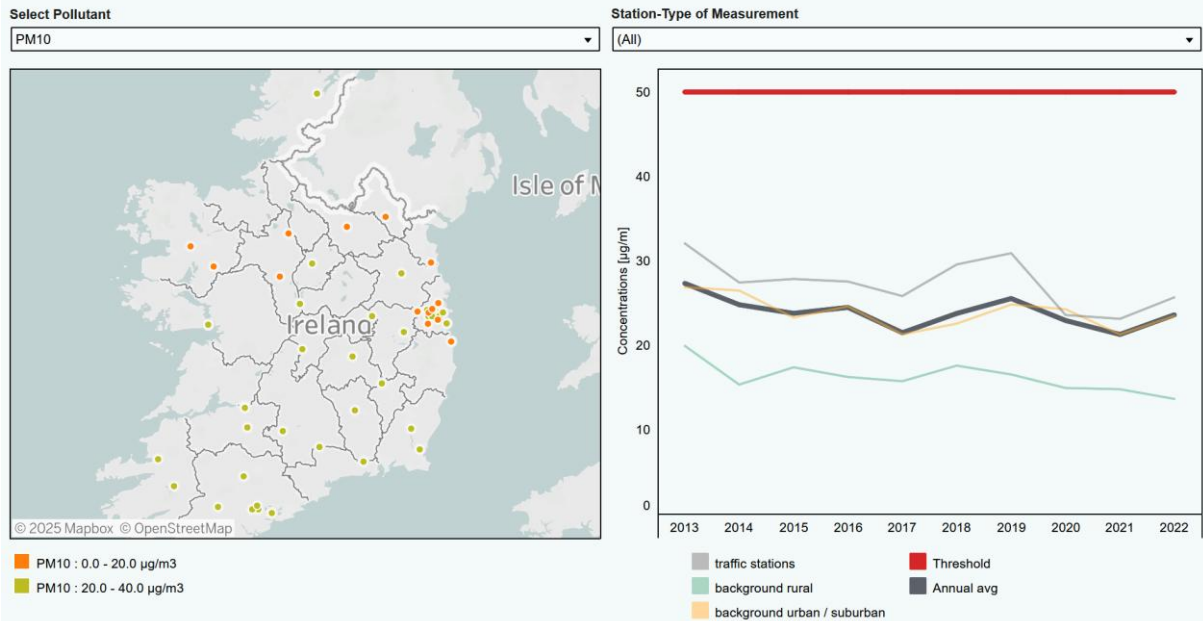


Source: European Commission, 2025c

Air quality

The map on the left is drawn from annual statistics calculated by the EEA from time series reported by countries and present the air quality monitoring stations in country and the concentrations of pollutant monitoring at each station.
Year of statistics: 2022

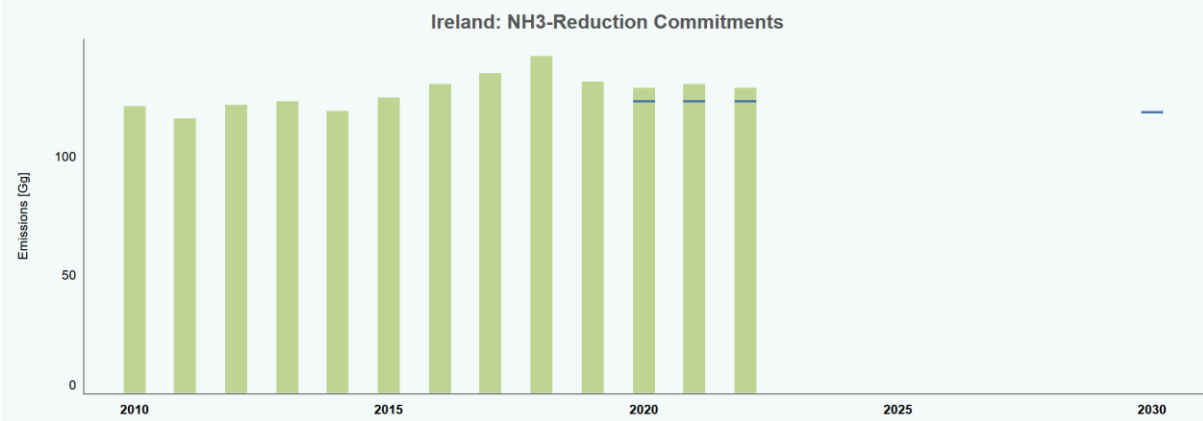
The graph on the right presents the trend in annual mean concentration of pollutant by station type and the mean across all stations against the EU standard ($\mu\text{g}/\text{m}^3$) for the years 2013 to 2022. For BaP concentrations are in ng/m^3)



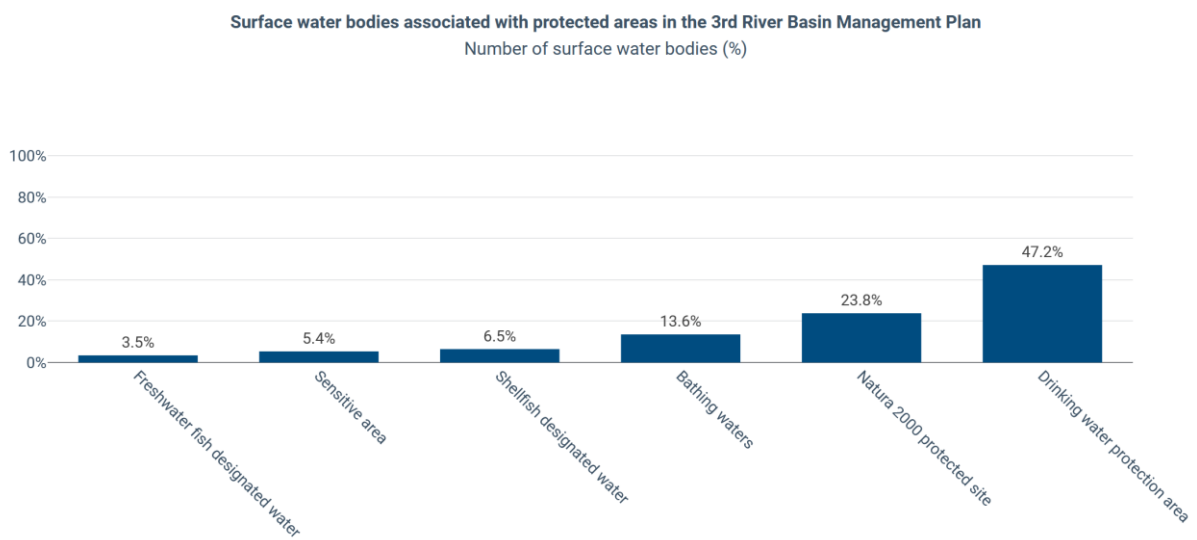
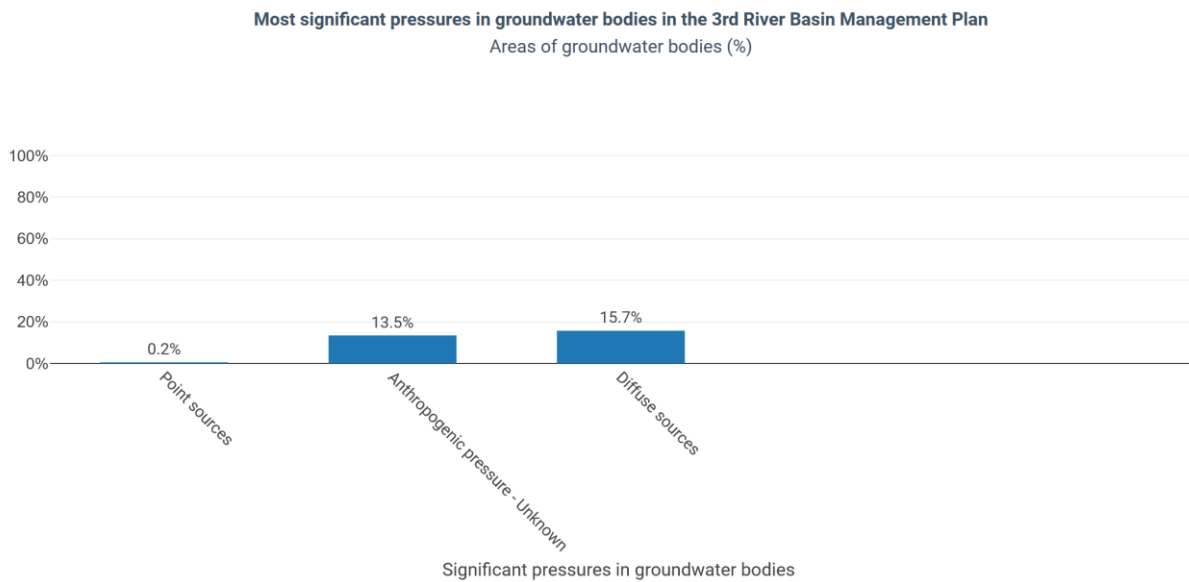
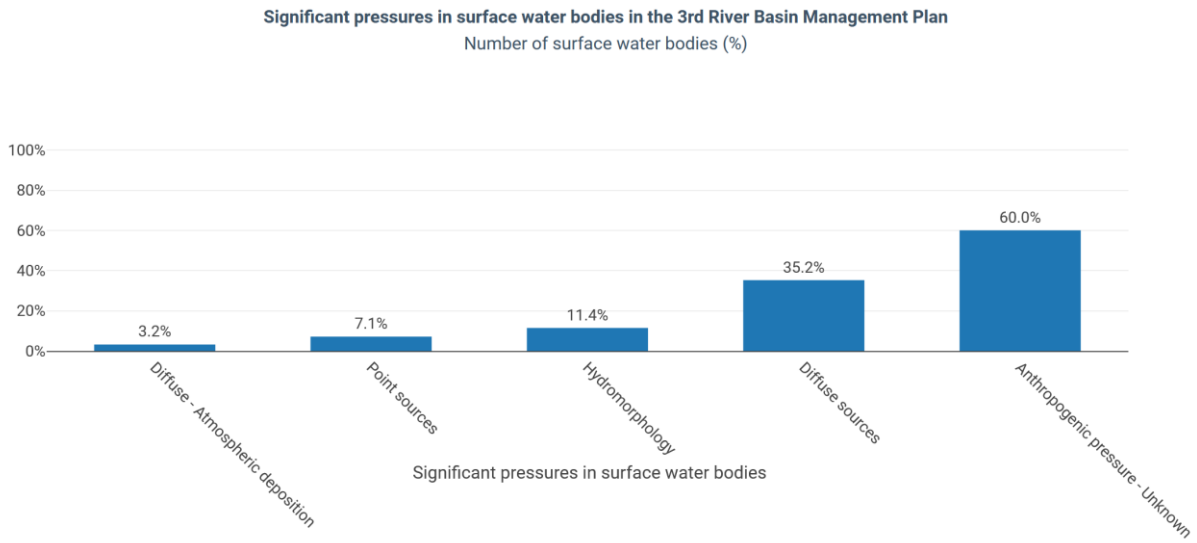
Air emissions

Select Pollutant: NH3

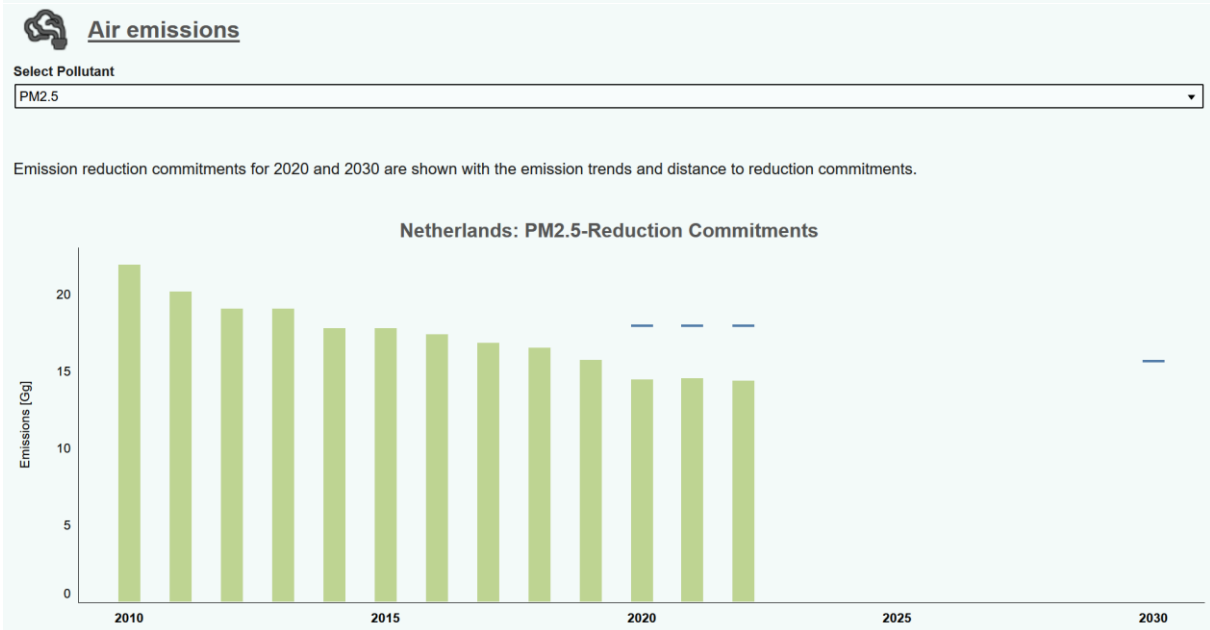
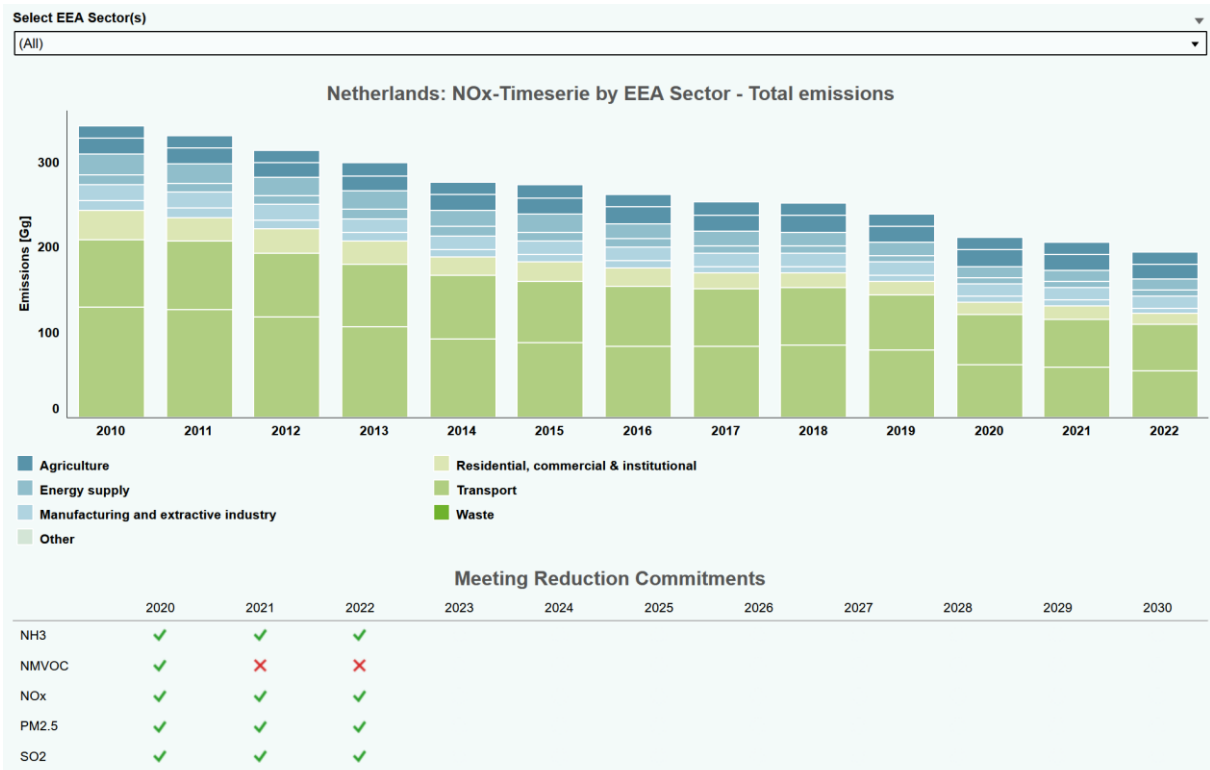
Emission reduction commitments for 2020 and 2030 are shown with the emission trends and distance to reduction commitments.



Source: European Commission, 2025d



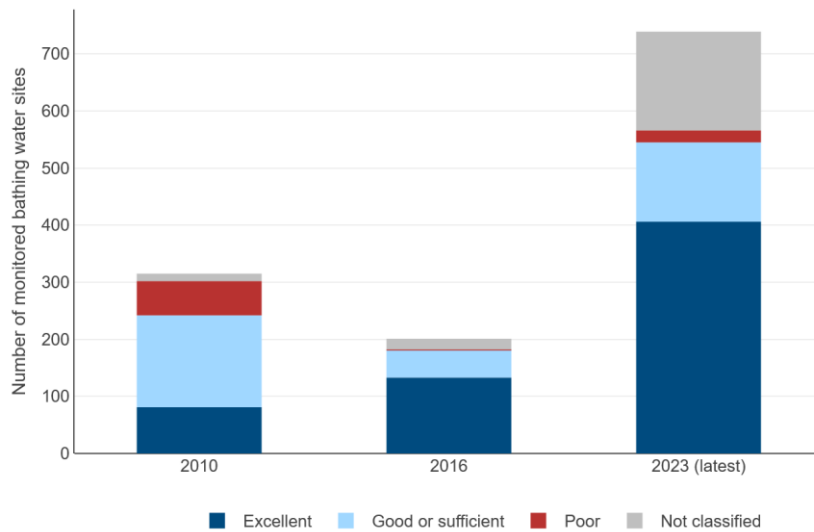
Source: European Commission, 2025d



Source: European Commission, 2025e

Progress in the number of monitored bathing water sites having excellent water quality in recent years

Number of monitored bathing water sites



Source: European Commission, 2025f

In Poland, households and certain industries in 1524 urban areas generate 37.2 million p.e. of waste water every day, which is an amount equivalent to around 74 million bathtubs or 7.4400001 million m³. According to the UWWTD, Poland is required to provide in urban areas: (1) Collection of 37.2 million p.e. of waste water; (2) Biological treatment to 36.1 million p.e. of waste water; and (3) Biological treatment with nitrogen and phosphorus removal to 31.8 million p.e. of waste water. Overall, 71% of the urban waste water in Poland is treated according to the requirements of the UWWTD. This is below the EU average of 75.9%. Poland generated 623,266 tonnes of waste water sludge in 2020. Emissions of greenhouse gases by the urban waste water treatment sector have decreased between 2010 and 2023 (European Commission, 2025f).

